CONSTRUCTION NEWS

Engineering News-Record, Sept. 24, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Toll bridge, Cairo, Ill., Black River Bridge Co. making preliminary plans for suspension or vertical lift, $10,000,000.

Office and theatre, St. Louis, Mo., local syndicate plans building, $5,000,000.

Club, Chicago, Ill., Midland Club receiving plans, $4,000,000-$4,500,000.

Improving pavement, Baltimore, Md., City plans improvement, $3,220,000.

Sanitary and storm sewers, Baltimore, Md., plans sewers, $3,000,000.

Viaduct, Jersey City, N. J., State Hy. Comn. plans viaduct, $2,250,000.

Tunnel approach, Jersey City, N. J., State Hy. Dept. plans tunnel approach, $2,000,000.

Theatre, New Orleans, La., Saenger Amusement Co. having plans prepared, $2,000,000.

Hotel, Knoxville, Tenn., Dooley-Gillespie Realty Co. had preliminary plans prepared, $1,500,000.

Bids Wanted On Big Jobs

Clubhouse, New York, N. Y., Natl. Town and Country Club soon takes bids, $6,000,000.

Hotel and Club, Chicago, Ill., Hall, Lawrence, Ribbel & Ratcliffe, archts., take bids about Jan. 1, $2,750,000.

Theatre and office, New York, N. Y., F. Ziegfeld and W. R. Hearst soon takes bids, $2,000,000.

Road, Louisiana, State Hy. Comn. takes bids within 30 or 40 days, $1,500,000.

Flood control, Brownsville Tex. Comrs. Cameron Co. takes bids Dec. or Jan., $1,500,000.

Lodge, Detroit, Mich., Detroit Elks Building Assoc. soon takes bids, $1,500,000.

Refinery, Woodriver, Ill., Standard Oil Co. of Indiana soon takes bids, $1,250,000.

Bank and office, Charlotte, N. C., Lockwood, Green & Co., engrs. soon takes bids, $1,000,000.

Large Contracts Let During Week

Subway, New York, N. Y., Bd. Transportation to F. L. Cranford, $5,889,649.

Hotel, Toledo, O., Commodore Perry Hotel Co. to H. J. Spieker, $2,500,000.

High School, Pawtucket, R. I., City School Comn. to Cruise Constr. Co., $1,025,000.

Theatre, office and store, Chicago, Ill., Asher Bros. to R. Sollitt & Sons, $1,000,000.

Theatre, New Haven, Conn., Yale University to Sperry & Treat Co., $1,000,000.

Apartment, New York, N. Y., F. F. Faiella will build, $1,000,000.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. C., Asheville—Plans improving waterworks system, incl. large dam and impounding reservoir.

La., Welsh—Voted $60,000 bonds, waterworks, distribution system, etc. J. W. Armstrong, mayor. Noted Sept. 3.

Tenn., Carthage — Election soon $15,000 bonds, for waterworks and sewerage system. Engineer not selected.

Tenn., Dickson — Voted $25,000 bonds, for waterworks. Noted Sept. 3.

Ky., Madisonville — Election probably Nov. 3, $135,000 bonds, waterworks improvements and extensions. Noted Aug. 27.

Wis., Crandon — Plans extensions to waterworks. To exceed $15,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Minn., Cloquet—Making plans system of wells for water supply, also pumping equipment, etc. $15,000. J. A. Parks, city clk.

Minn., Red Wing—S. T. Irvine, city clk., plans 750 gal. motorized pump. $11,000.

Kan., Leonardville—Plans waterworks improvements and extensions. To exceed $15,000. Grant, Fulton & Letton, 525 South 13th St., Lincoln, Neb., engrs.

Mo., California — Voted $20,000 bonds, waterworks and distribution system. J. B. White, city clk.

Tex., Florence — Voted $31,000 bonds waterworks improvements. Address O. B. Atkinson, mayor. Noted Sept. 3.

Tex., Floresville — Voted $40,000 bonds, waterworks improvements. Address Mayor. Noted Aug. 6.

Okla., Bethany — Making plans waterworks improvements and extensions, incl. mains, pumping equipment, etc. $30,000. H. E. Munson & Co., Grain Exch. Bldg., Oklahoma City, engrs. Noted Aug. 6.

Okla., Enid—Voted $215,000 bonds, waterworks improvements, incl. mains, reservoir, pumping equipment, etc. R. T. Williams, city clk.

Okla., Frederick — Making plans 1 m.g. reservoir, deep wells, etc. $35,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs. Noted Sept. 10.

Okla., Redford — Making plans waterworks improvements, incl. main extensions, etc. $40,000. Holway Eng. Co., New Wright Bldg. Tulsa, engrs.

Okla., Tuttle—Voted $38,600 bonds, new waterworks, incl. well, tank, pump, motor, valves, 12,000 ft. 4 in. and 2,400 ft. 6 in. c.i. mains, etc., in various streets. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Nev., Nevada City — See "Streets and Roads."

Wash., Prosser—Making plans and soon takes bids two 14 in. diam. wells and 30,000 gal. reservoir, etc. Bear & Cunningham, Spalding Bldg., Portland, Ore., engrs. $125,000 bonds voted. Noted Sept. 3.

Wash., Yakima—Election Oct. 14, $1,500,000 bonds for water system.

Ont., Port Colborne—Town Council plans 6 in. c.i. main in Sugarloaf St. from Catharine to Kilall St. $30,000. G. M. Hamilton, engr.

BIDS DESIRED

Mass., Lawrence—Oct. 5, by P. F. McNulty, dir. Eng. at office City Clerk, City Hall, waterworks pumping and boiler equipment, Contrs. 1 and 2. Morris Knowles, Inc., 507 Westinghouse Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. Sept. 24.

N. Y., Huntington — Oct. 3, by Bd. Water Comrs. South Huntington Water Dist., New York Ave. and Melville Rd., for waterworks. C. E. Marshall & H. C. Stevens, 302 Fulton Ave., Hempstead, consult. engrs.; adv. E. N.-R. Sept. 24.

Tenn., Bluff City—Oct. 6, at office A. J. Geisler, mayor and city clk., 38,866 ft. 6 and 8 in. c.i. pipe, 4.75 tons c.i. specials, 8,050 ft. galvanized pipe, 1,200,000 gal. rein.-con. reservoir, etc. J. B. McCrary Eng. Corp., Citizens and Southern Bldg., Atlanta, Ga., engrs.

Tenn., Memphis—Sept. 30, by Bd. Water Comrs., 105-7 North 2nd St., 2,500 ft. 6 in., and 2,500 ft. 4 in. special up-set rotary pipe, six 4 in. and six 6 in. couplings. J. Shehan, genl. supt.

O., Columbus—Oct. 3, by Comrs. Franklin Co., 6,700 ft. c.i. mains in Sewer Dist. Mifflin 1, Contr. 64. E. G. Bradbury, co. sanitary engr.

O., Norwalk—City, W. P. Leighton, dir. Pub., taking bids 30 x 72 ft., brick filtration plant, incl. six 70 x 250 ft. rein.-con. tanks. $45,000. G. Scott, city engr.

Mich., Iron Mountain—Oct. 12, by Bd. Water Comrs., 3,400 lin.ft. 20 in. intake line, screen chamber, and 15 tons c.i. pipe, etc. To exceed $15,000. F. W. Hartmann, City Hall, engr. Noted June 11.

Ill., Litchfield — Sept. 29, by Bd. Local Impvts., 6 mi. 4 and 8 in. mains in various streets. Pearse, Greeley & Hanson, 10 North Michigan Ave., Chicago, engrs.

Minn., Alexandria — Sept. 28, by H. S. Campbell, city clk., 1,750 ft. 16 in. cast and riveted iron pipe line from municipal power plant into Lake Agnes. $15,000. C. L. Pillsbury Co., 2344 Nicollet Ave., Minneapolis, engrs.

BIDS RECEIVED

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Sept. 18, mains, etc., in Arlington, Barkley, Castle Hill, Edison, Edson, Griswold, Hering, Hone, Hunter, Husson, Liebig, Lodovick, Miles, Paulding, Pilgrim, Randall, Rhinelander, Roberts, Seymour and Story Aves., etc., from Norton Eng. & Constr. Co., Inc., 510 West 149th St., $15,000. Noted Sept. 10.

Mich., Detroit — Bd. Water Comrs., 176 East Jefferson Ave., Sept. 15, 21,200 lin.ft. 36- to 48-in. steel water mains in Fenkell Ave., from J. A. Mercier Co., 616 Hammond Bldg., lock-bar $388,523, hammer weld $371,786; from Penstock Constr. Co., Sharon, Pa., fabricated $402,608; from B. Hayes, Inc., 907 Majestic Bldg., lap-riveted $362,122. Noted Aug. 27.

Mich., Detroit—Board Water Comrs., 176 East Jefferson Ave., 670 ft. 16 in. mains in Eight Mile Rd., 6,990 ft. 12-in. in Town Line and Eight Mile Rds., Schoenherr Rd. from Barbara to Norlina Aves. and Schoenherr Rd. from Eight Mile Rd. to Barbara Ave., 12,843 ft. 8 in. mains in Schoenherr Rd., Dresden and Joann Sts., State Fair, Annott, Brayton, Fairport, Alcoy and Hickory Aves., also 9,190 ft. 6 in. mains in Howe, Westphalia and Pelkey Aves., Bradford and Waltham Sts., from L. J. Clancy, 3137 Canton Ave., $15,541.

CONTRACTS AWARDED

La., Port Allen—Tank on tower, to Chicago Bridge & Iron Wks., Praetorian Bldg., Dallas, Tex., $4,000; laying pipe, building pumphouse, etc., to C. J. Montgomery, Koplan, $13,000; pipe, hydrants, etc., to Dixie Mill Supply Co., 901 Tchoupiloulas St., New Orleans, $26,000; 500 g.p.m. fire pump, to W. Costeneo, Inc., New Orleans, $1,001; 250 g.p.m. pump, to L. S. Valley & Co., Whitney Annex, New Orleans, $615. Grand total $44,616.

Mich., Detroit — Bd. Water Comrs., 176 East Jefferson Ave., gate valves and tapping sleeves, to Michigan Valve & Fdry. Co., 2631 Parkinson St., $39,603. Noted June 11.

Waterworks (Continued)

Minn., Jordan — J. C. Busch, city clk., cased well approximately 300 ft. deep and 12 in. diam, to McCarthy Well Co., Wabash Ave. and Eustis Sts., St. Paul, $2,675; and 100 gal. direct current pump and motor, to R. B. Whitacre & Co., 205 South Robert St., St. Paul, $2,544. Noted Aug. 27.

Mo., Willow Springs—Concrete reservoir, deep well and pumps, etc., to Sewell Well Co., 1627 Locust Blvd., St. Louis. Engrs. est. $15,000.

Tex., Greenville—City, M. C. Hale, secy., earth work sprinkling method for waterworks improvements, to Trinity Farm Constr. Co., Waxahachie, $94,390. Noted Sept. 10.

Tex., Greenville—Waterworks improvements, to Duck and Trout, Greenville, $24,973.

Okla., Newkirk—Waterworks extensions, incl. 30,000 ft. 19 in. Bell & Spigott c.i. pipe, 1,750,000 gal. rein.-con. reservoir, 1 horizontal and 2 vertical centrifugal pumps, etc., to L. A. Galleceiz Constr. Co., Enid, $101,995. Noted April 16.

Okla., Ponca City — Waterworks improvements, incl. additional mains, pumping equipment, etc., to Gallamore Constr. Co., Cushing, $36,485.

Sewers

PROPOSED WORK

Mass., Chelsea (br. of Boston) — Plans sewerage works in Bway. $25,000. Bd. Aldermen, engrs.

N. J., Egg Harbor—City Council plans storm water sewer in various streets. $40,000. Engineer not selected. F. Speyerer, councilman.

Md., Baltimore—Plans expending $3,000,000 during 1926, constructing sanitary and storm water sewers in various streets. B. L. Crozier, ch. engr.

N. C., Cullowhee — Cullowhee Normal School soon takes bids new sewerage system. $25,000. H. T. Hunter, pres.

Fla., Plant City — Voted $30,000 bonds extending and improving septic tanks. W. H. Durrance, city clk.

Tenn., Dickson—Voted $100,000 bonds, sewerage system. H. T. V. Miller, mayor. Noted Sept. 3.

O., Columbus—See "Streets and Roads."

Mich., Detroit—Dept. Pub. Wks., making plans Lonyo Road Pumping Station, incl. 25 x 40 ft. rein.-con. pump pit, centrifugal pumps, etc. P. A. Fellows, city engr. Noted March 27, 1924.

Mich., Detroit—Dept. Pub. Wks., making plans 4,569 ft. 6- to 10-ft. cylinder, brick or concrete sewer in tunnel, in Schoenherr Rd. Arm of Ashland Ave. Sewer, in Seven Mile Rd. and Schoenherr Rd. P. A. Fellows, city engr.

Ill., Barry — Made preliminary plans sewerage system. $70,000. Warren & Van Praag, 416 Milikin Bldg., Decatur, engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, rejected bids Sept. 15, for Camp Springs Public Relief Sewer, 4,125 ft. 12- to 18-in. vitr. clay, 1,445 ft. 36- to 48-in. brick or segmented block, 4,210 ft. 6 and 7 ft. concrete horseshoe, 2,100 ft. 9 ft. concrete or 8.5 ft. brick pipe, etc. $520,000. Will readvertise. W. W. Horner, 300 City Hall, engr. Noted Aug. 13.

Tex., Anson—Voted $51,000 bonds, sewer improvements, etc. Address Mayor. Noted Aug. 20.

Tex., El Campo — Voted $60,000 bonds, sanitary sewerage system and disposal plant. W. L. Ballen, mayor. Noted Sept. 10.

Okla., Bethany—Plans additional sewers in various streets. $25,000. H. E. Musson, & Co., Grain Exch. Bldg., Oklahoma City, engrs.

Ont., Toronto — East York Twp. plans 1,546 ft. 54 and 66 in. concrete trunk sewer in Everett Crescent, Wallington and Savoy Aves., etc. $230,125. G. R. Jack, 443 Sammon Ave., engr.

Ont., Toronto — East York Twp., plans 4,000 ft. 48- to 54-in. concrete trunk sewer in Secord, Barrington, Lumsden, and Chisholm Aves. $122,406. G. R. Jack, 443 Sammon Ave., engr.

BIDS DESIRED

Conn., Manchester—Sept. 28, by 8th Dist. Utilities Bd. Comrs., Main and Hilliard Sts., 4 mi. 8- to 15-in. sewer and appurtenances in various streets. $60,000. C. H. Olmstead, 1176 Main St., Hartford, engr.

N. Y., New York — See "Streets and Roads"

N. Y., Buffalo—Oct. 23, by Commissioner Pub. Wks., Municipal Bldg., rein.-con. drain in bed of Little Buffalo Creek and Commercial slip between west line of Main St. and Buffalo River, etc.; adv. E. N.-R. Sept. 24.

N. Y., Oakfield—Oct. 9, by Bd. Trustees, G. E. Hotchkiss, clk., complete sanitary sewerage system. J. P. Wells, 80 East Ave., Rochester, consult. engr.; adv. E. N.-R. Sept. 24.

Pa., Phila. — Sept. 30, by Dept. Pub. Wks., Bureau of Engineering, branch sewers in 75th St. between Buist and Wheeler Aves., and both sides of Elmwood Ave. between Island Rd. and 75th St.

O., Cleveland Heights (Warrensville P. O.)—Sept. 28, by City, storm relief sewer in Ivydale Rd. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Mich., Holland — Oct. 21, by Sewage Comn., constructing 7,700 ft. 18- to 36-in. vitr. or concrete sewers, sewage treatment plant, pumping station, etc. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.; adv. E. N.-R. Sept. 24.

Ind., Evansville — Oct. 12 by Bd. Pub. Wks., for North Side Sewer. $760,000. J. R. Saunders, City Hall, engr.

Ind., Princeton—Sept. 28, by City, 21,080 ft. 8- to 12-in. vitr. clay and 536 ft. 8- to 12-in. c.i. sanitary sewers in various streets. E. E. Watts, Farmers Natl. Bank Bldg., consult. engr.; adv. E. N.-R. Sept. 24.

Ill., Chicago—Oct. 1, by H. E. Wallace, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., for North Side Intercepting Sewage, Contr. 7, 2,900 lin.ft. concrete sewer with 6 ft. internal width, 7½ ft. internal height, and 4,000 lin.ft. concrete sewer 4 ft. wide, 5 ft. high; also North Side Intercepting Sewage, Contr. 8, 11,200 ft. pipe.

Ill., Rockford—See "Streets and Roads."

Wis., Antigo—Oct. 1, by Bd. Pub. Wks., G. O. Palmiter, city clk., sewers in various streets, 13,806 ft. 10- to 42-in. in pipe 61 manholes and 63 catchbasins, etc. for Unit A, and 2,427 ft. 10- to 36-in. pipe, 11 manholes, etc. for Unit B. J. Donohue Eng. Co., 608 North 8th St., Sheboygan, engrs.

Ark., Van Buren — See "Streets and Roads."

BIDS RECEIVED

O., Berea — Village, Sept. 14, sanitary sewer, etc. in Bagley Rd. Dist., from W. B. Smith, 1350 West 98th St., Cleveland, $133,835. Noted Aug. 27.

O., Cleveland — Comrs. Cuyahoga Co., 6,700 ft. 8- to 54-in. (a) segmental (b) brick or (c) concrete sewer in Impvt. 700, from Langahan Constr. Co., Marshall Bldg., Cleveland, (a) $103,691 (b) $105,877 (c) $103,691. Noted Sept. 3.

Mich., Detroit—Constructing 4,816 ft. 12- to 20-in. vitr. crock sewer in Lateral Sewer 4452, and 1,344 f.t 20 in. crock in Lateral Sewer 4474, from Waterway Constr. Co., Detroit, $11,935 and $5,555 respectively; 4,770 ft. 12- to 20-in. in Lateral Sewer 4455, and 22,305 ft. 12- to 24-in. in Lateral Sewer 4463, from Louwers & Sommerville, 8014 Grand River Ave., $12,320 and $49,720 respectively; 2,836 ft. 12- to 18-in. in Lateral Sewer 4465, from Western Constr. Co., 1208 Ford Bldg., $6,079; 3,205 ft. 12- to 24-in. in Lateral Sewer 4467, from DiPono & Decisso, 8203 Woodward Ave., $7,952.

Mich., Detroit — Dept. Pub. Wks., brick and concrete sewers in Fenkell Ave. Arm, East, Mill Rd. Sewer, also Gratiot Ave. Arm, Seven Mile Rd. Sewer, from W. Blanck & Co., 40 Seven Mile Rd. E., $101,957 and $104,339 respectively; State Fair Ave. Arm, Sect. 1 West, Connors Creek Sewer, from S. A. Healey, 6466 Epworth Blvd., $162,597; Van Dyke Ave. Arm, North, Seven Mile Rd. Sewer, from J. Rossi, 4148 Seneca Ave., $37,578; also force main for Lonyo Rd. pumping station in right-of-way Michigan Central R.R., from R. D. Baker, 1631 Elmhurst Ave., $40,596. Noted Sept. 10.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 3,805 ft. 8- to 24-in. vitr. clay sewers, etc. in Harlem Creek Dist. 23, from Riley Contg. Co., Buder Bldg., $9,512 also Sect. A, of North Baden Public Relief Sewer, 3,140 ft. rein.-con. horseshoe, 14 x 11 ft., 2.5 in. inside diam. etc., from Martin & Reilly, 5971 Maple Ave., $147,461. Noted July 16 and Aug. 13.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens boro. Queens Subway Bldg., sewers, etc., in Sanford Ave., to Peace Bros., 20 Main St., Flushing, $4,561; in Queens Blvd., to Muccini & Decker, 6102 18th Ave., Brooklyn, $16,909; Utopia Parkway,, to J. Gallo, 203 Division St., Brooklyn, $39,964. Grand total $61,434. Noted Sept. 17.

Pa., Elkins Park (Ind. br. Phila.) — Bd. Comrs., H. C. Pike, secy., construct... main outfall sewer along Tacony ... through Cheltenham Twp., etc., to A. L. Anderson, Altoona, $241,357, also in Mt. Carmel Ave., Glenside, to Buckley Co., 1317 South Juniper St., Phila., $207,675, work involves in about 7.37 mi. 12- to 33-in. ... 8 mi. 8 in., and 2 mi. 10 in. branch sewers in Wyncote and Glenside Sects., to Thomas Pietro, Morgantown, W. Va., $222,041. Grand total $671,073. Noted Aug. 6.

Pa., Phila. — Bd. Pub. Wks., Bureau of Engineering, to H. H. Pizagno, 907 South 15th St., branch sewers in Bath St. ... 61st St. $9,891, and Stenton Ave. $5,870; to Sarco Contg. & Building Co., 1213 Snyder Ave., Erie St. $2,926, and Rawle St. ... to J. Moss, 1652 Wakeling St., Hegerman St., $3,653; to J. J. McHugh, 1617 Race St., Island Ave. $2,716, Jackson St. ... 21st St. $9,295, and Unity St. $4,798; to McCool Constr. Co., 5033 Duffield St., Large St., $5,880; to E. F. Bennis, 825 East Washington Lane, Limekiln Turnpike, $8,692; to A. Mattia, 310 North 65th St., Pearce St., $5,244; to Clifton Constr. Co., 131 East Berkley Ave., Clifton Heights, in Randolph St., $6,416. Grand total $67,291. Noted Aug. 27.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, intercepting sewer along Tacony Creek from present terminus north of Ruscomb St. to Bingham St., to J. and R. Lombardi Co., 601 Lincoln Bldg., $153,442.

O., Cincinnati—City, 1,050 ft. 12- to 24-in. vitr. clay and 1,360 ft. 30- to 42-in. trunk sewer in Elkins, Alley, Court and Elm Sts., to J. B. McLane & Co., 337 York St., Newport, Ky., $34,142. Engrs. est. $40,250. Noted Sept. 9.

O., Cleveland—To Manson Co., 706 The Arcade, culvert in Crestland Rd. $11,888, to A. J. Galvin, Hunkin-Conkey Bldg., vitr. sewers in Dorchester Ave. $7,170, East Park Dr., $9,184, Edgerton Ave. $4,793, Fenwick Ave. $4,512, Hillgrove Ave. $7,051, La Salle Ave. $3,286, to Salem & George Bros., Erie Bldg., in East Park Dr. $9,973, Fenwick Ave., $5,778, Schenley Ave. $5,607, Tarrymore Ave. $5,269. Grand total $74,511. Noted Sept. 17.

Mich., Grand Rapids — Constructing Washington St.-Lake St. Drive Relief Sewer, to United Constr. Co., Grand Rapids, $53,200. Noted Aug. 20.

Wis., Madison—W. Winckler, city clk., for sewer, water mains, etc., in Fair Oakes Ave. Dist., to J. R. Cullinane, 618 West Dayton St. Engrs. est. $25,000.

Wis., Milwaukee — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., concrete and terra cotta main sewer in Mud Creek Low Level Dist., to E. R. Harding Co., 400 Janes Bldg., Racine, $97,256. Noted Aug. 27.

Wis., Milwaukee—Dept. Pub. Wks., to Wenzel & Henoch Constr. Co., 498 27th St., lateral sewers and water connections in 18th St. $2,367, 4th Ave. between Oklahoma and Morgan Aves. $5,546, 10th Ave. between Oklahoma and Morgan Aves. $7,854, and 3rd Ave. between Oklahoma Ave. and point south $6,396; to Holton & Goggins Co., 345 27th Ave., in 9th Ave. between Oklahoma and Ohio Aves., $2,833; and to Kehrein Bros., 1304 11th St., 19th Ave. between Lake St. and Fiebrantz Ave., $1,863. Grand total $26,859.

Wis., Milwaukee — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., rein.-con. and brick testing and control station, also track hopper and acidification control house, to Tallmadge Constr. Co., 214 Mason St., $28,600 and $10,800 respectively. Noted Sept. 10.

Neb., Lincoln—See "Streets and Roads."

Neb., Omaha—H. Beal, city engr., City Hall, Storm Sewer 848, in Grace St. between 15th and 22nd Sts., to H. J. Peterson c/o J. Jensen, 402 Federal Reserve Bank Bldg., $124,029. Noted Aug. 27.

Tex., Dallas—City, portion of White Rock intercepting sewers, to Jones Contg. Co., 1107 Merchantile Bank Bldg., $118,370. Noted Sept. 10.

Tex., San Angelo — W. D. Holcomb, mayor, sewerage treatment plant, also outfall sewer, 3 siphon river crossings, 4 connecting lateral sewers 4.83 mi. long, 10.03 mi. mains and lateral sewers north of North Conches River and 10 mi. mains and lateral sewers south and west of North Conches River, to Municipal Excavator Co., 200 East Main St., Oklahoma City, Okla. $74,000 and $177,733 respectively. Noted Sept. 17.

Ont., Toronto—Sewers in Lane 1st north of Bloor St., to P. Mohan, 9 Arundel Ave., $1,525; York St., to W. R. Worthington

Sewers (Continued)

Constr. Co., 57 Lascelles Blvd., $7,914; Cosburn Ave. Trunk Sewer Sect. B, C, E to Dept. Pub. Wks., (by day labor) $114,-303, and Sect. C and D of same, to L. Acri, 162 Markham St., $2,574. Grand total $126,316.

Waste Disposal

PROPOSED WORK

Okla., Enid — Voted $25,000 bonds for incinerator. R. T. Williams, city clk.

BIDS RECEIVED

Tex., Houston — City, O. F. Holcombe, mayor, two 40 ton incinerators, from Superior Garbage Incinerator Co., Praetorian Bldg., Dallas, $74,910. Engrs. est. $80,000. Noted Aug. 27.

Bridges

PROPOSED WORK

N. J., Jersey City — State Hy. Comn., Trenton, plans viaduct on Sect. 1, Route 1 Extension, here, 3,000 tons structural steel, 12,000 cu.yd. concrete, and 185,000 lin.ft. timber piling, etc. $2,250,000. F. Davis, 921 Bergen Ave., Jersey City, city engr.

O., Massillon—Plans viaduct across railroad tracks, on West Tremont St. $150,000. M. P. Kerchhofer, mayor.

Ind., Evansville — Vanderburgh Co., making plans bridge over Pigeon Creek on Franklin Ave. $160,000.

Ill., Cairo — Black River Bridge Co., Stuttgart, Ark., making preliminary plans suspension of vertical lift concrete and steel bridges over Mississippi River, connecting city with Mississippi Co., Mo., and one over Ohio River, connecting city with Ballard Co., Ky., above to be operated as toll bridges; also single Y bridge across both rivers with single terminal point, here. $10,000,000. Private plans.

Mont., Billings — Yellowstone Co. and Northern Pacific R.R. Co., c/o H. E. Stevens, ch. engr., Railway Bldg., St. Paul, Minn., plan concrete and steel bridge with central pier, etc. over railroad tracks, on Laurel Rd., west of here. $60,000.

Mo., St. Louis—City, c/o Bd. Pub. Serv., soon takes bids 3 span, 135 ft. rein.-con. bridge, etc. over River Des Peres, at Southwest Ave. $36,000. L. R. Bowen, 301 City Hall, engr. Noted Feb. 19.

Tex., Carthage — See "Streets and Roads."

Oklahoma — Ellis Co. (Arnett) plans 9 bridges on Abo Pass and Uncle Sam Highways between Arnett and Vici. $350,000. Address County Commissioners.

Ont., London—Making plans cement and steel bridge. $100,000. W. P. Near, city engr.

BIDS DESIRED

Vt., Westminster — Sept. 25, by Dept. Highways, State House, Montpelier, one 130 ft. rein.-con. bridge and approaches, incl. 158,000 lb. reinforcing, etc., here. S. E. Bates, comr.

Mass., Northfield—Sept. 26, by Bd. Selectmen, reconstructing Bennetts Meadow Bridge, concrete abutments and wood block paving. $25,000. Private plans.

New York—Oct. 13, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, bridge over Secor Lane, Pelham Manor, and one over Colonial Ave. Pelham. J. Downer, ch. engr.; adv. E. N. R. Sept. 24.

Pa., Mercer—Oct. 12, by Commissioners Mercer Co., constructing Bridge 725, West Salem Twp.; Bridges 2321, 2327 and 2302, Hickory Twp.; Bridges 1702 and 1704 Sandy Lake Twp.; Bridge 2208, Worth Twp., and Bridge 803, Greenville-Hempfield Twp. F. P. Graham, Grove City, co. engr.; adv. E. N.-R. Sept. 24.

Pa., Phila—Sept. 30, by Dept. Pub. Wks., Bureau of Engineering, constructing 2 span, 102 ft. steel encased bridge (replacing timber bridge) over Cobbs Creek Parkway, at 65th St.

Pa., Pittsburgh—Sept. 30, at office J. P. Moore, controller Allegheny Co., Dept. Pub. Wks., superstructure for Bridge 9 over Monongahela River, here; also borings at site of proposed Bridge 5, at McKeesport and Duquesne. Noted June 18.

Maryland — Sept. 29, by State Roads Comn., Baltimore, battery of six 5 ft. diam. corrugated metal pipes encased in concrete, on road from Sligo to Burnt Mills, over Sligo Branch. J. N. Mackall, chn.; adv. E. N.-R. Sept. 24.

South Carolina—See "Streets and Roads."

Miss., Gulfport—Oct. 6, by Bd. Supervs. Harrison Co., 3 creosoted pile bridges on Saucier-Ramsey Springs Rd., Project 4, Beat 5. Owner furnishes materials. W. S. Hawkins, Gulfport, consult. engr.

La., Bastrop — Oct. 5, by Police Jury Morehouse Parish, 500 ft. timber bridge on pile bents, through the Tchemanihaut Bottom. J. L. White, parish engr.

Kansas—Oct. 16, by Clerk Lyon Co. (Emporia) and Coffee Co. (Burlington), two 140 ft. spans steel or through arch bridge between above counties. W. S. Ruggles, Emporia, co. engr.

Missouri—Sept. 25, by State Hy. Dept., Jefferson City, two 12 ft. rein.-con. slab spans, etc., over stream, in Grundy Co.; three 20 ft. rein.-con. slab spans, etc., over branch, three 24 ft. rein.-con. slab spans, etc., over West Fork, both in Barton Co.; three 24 ft. rein.-con. slab spans, etc., over St. Louis & Hannibal R.R. tracks, three 35 ft. rein.-con. deck girder spans, etc., over Plum Creek, two 80 ft. steel truss and five 20 ft. rein.-con. slab spans, etc., over Spencer Creek, all foregoing in Ralls Co.; three 40' ft. rein.-con. deck girder spans, etc., over Goose Creek, Cape Girardeau Co.; one 45 ft. and two 30 ft. rein.-con. deck girder spans, etc., over Town Branch, and one 45 ft. rein.-con. deck girder span, etc., over Thompson Creek, both in Gentry Co.; one 45 ft. and two 35 ft. rein.-con. deck girder spans, etc., over Missouri Pacific R.R. tracks, Jefferson Co.; and one 70 ft. steel truss span, etc., over Sons Creek, Dade Co. B. H. Piepmeier, highway engr. Noted Sept. 17.

Ark., Egypt—Sept. 29, by State Hy. Dept., Little Rock, 196 ft. steel and timber bridge over Cache River, on Jonesboro-Egypt Rd., incl. 15,000 lb. structural steel, 15,872 ft. untreated timber, 16,830 ft. treated and 1,760 ft. untreated piling, etc., near here. R. C. Limerick, highway engr.

Tex., Sierra Blanca — Oct. 6, by F. V. Lanham, chn. State Hy. Comn., Austin, 14 span 280 ft. rein.-con. girder or rein.-con. pile trestle bridge on State Highway 1, Hudspeth Co., H. P. Henning, Alpine, div. engr. Noted Aug. 20.

California—Oct. 5, by State Hy. Comn., Sacramento, one 34 ft. and two 40 ft. span rein.-con. girder bridge, 30 ft. across Willow Brook, about 2 mi. north of Petaluma, Sonoma Co.; and rein.-con. girder bridge, 21 ft. five 27 ft. span across Walker Creek, about 1 mi. east of Willows, Glenn Co. R. M. Morton, Forum Bldg., Sacramento, highway engr. Noted July 30.

BIDS RECEIVED

Connecticut — J. A. MacDonald, comr. State Hy. Dept., Hartford, from Holbrook Co., Westbrook, 58 ft. span concrete bridge over Niantic River, in East Lyme and Waterford $6,792, 26 ft. span concrete bridge over Five Mile River, in Killingly $5,128, superstructure of Shepaug River Bridge, in Washington $17,197, 26 ft. span concrete bridge over Niantic River, in East Lyme $13,031, 24 span concrete bridge over Oyster River, on Ocean Ave., in Milford and West Haven $14,237, 24 ft. span concrete bridge over Cove River, in West Haven $19,628; from A. Mascetti, Torrington, concrete bridge over Shepaug River, in Washington $12,880.

N. J., Jamesburg—Middlesex Co. (New Brunswick) concrete bridge over Manalapan Brook, here, from Brann & Stewart, Commercial Trust Bldg., Phila., Pa., $31,348.

Virginia—See "Streets and Roads."

W. Va., Mannington — City, 2 rein.-con. bridges, one across Pyles Fork Creek, and other across Buffalo Creek, from Shaid Contg. Co., Elkins, $29,000. Noted Aug. 27.

Louisiana—See "Streets and Roads."

Texas—See "Streets and Roads."

Texas — F. V. Lanham, chn. State Hy. Comn., Austin, grading, bridging and paving 1.15 mi. State Highway 2, Federal Aid Project 492, 18 ft., Tarrant Co., from General Constr. Co., 403 Cotton Exch. Bldg., Fort Worth, 2 in. Uvalde rock asphalt $34,-997, 1½ in. Uvalde rock asphalt $32,218, from Purvis & Lowery, Ft. Worth 2 in. Amiesite $34,921, 2 in. Topeka $32,015, grading and bridging 6.15 mi. State Highway 6, Federal Aid Project 471-C, 26 ft., Grimes Co., from J. F. Buckner, 705 West 34th St., Austin, $70,164, engrs. est. $102,-750; paving 72,550 sq.yd. State Highway 2, Federal Aid Project 300 B and C, Tarrant Co., from Tibbetts Constr. Co., 2 in. amiesite $94,315, 2 in. Modified Topeka $83,432. Noted Sept. 3.

Tex., Jourdanton — Atascosa Co., 1 steel span, 506 ft. over pass and concrete bridge on State Highway 9, across Atascosa River, 106,230 lb. structural steel and 175,098 lb. reinforcing, etc., from Armstrong & Armstrong, P. O. Box 298, El Paso, $55,262. Engrs. est. $60,500. Noted Sept. 10.

Tex., Jourdanton — See "Streets and Roads."

Tex., Linden—See "Streets and Roads."

Tex., Madisonville — See "Streets and Roads."

CONTRACTS AWARDED

R. I., Providence—Water Supply Bd., City Hall, Hartford Pike Bridge, three 13 ft. spans, rein.-con., in North Scituate, to Briggs Eng. & Constr. Co., Union Trust Bldg., $16,387. Noted Aug. 27.

Pennsylvania—G. T. Wadas, controller Delaware Co., Media, constructing Bridge 90 known as Shoemakerville Bridge over Ridley Creek between City of Chester and Nather Twp., to Whiting-Turner Constr. Co., Stewart Bldg., Baltimore, Md., $175,000. Noted Aug. 27.

Pa., Chester — G. T. Wadas, controller Delaware Co., constructing Bridge 185 known as West 9th St. Bridge over Chester River, here, to Mundy Paving & Constr. Co., 226 South Warnock St., Phila., $166,-000. Noted Aug. 27.

Pa., Phila.—Pub. Wks., Bureau of Engineering, 76 ft. steel encased concrete bridge, 70 ft., to carry 2nd St. over Luzerne St., to Brown-King Co., Merchants Trust Bldg., $77,973. Noted Sept. 17.

Georgia—See "Streets and Roads."

Alabama—State Hy. Comn., Montgomery, constructing several bridges on road between Wedgeworth and Five Mile Creek, Hale Co., to Nixon & Phillips, Montgomery, $47,427.

Miss., Gulfport—See "Streets and Roads."

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, constructing timber bridge on Vinton-Orange Highway, Federal Aid Project 43-D, Unit 4, Calcasieu Parish, to W. H. Smith, Jr., Alexandria, $165,414; also Lake Lafourche Bridge, State Project 93, Morehouse and Richland Parishes, to Newsom Bros., Goss, $15,968. Noted Aug. 20.

O., Dayton—G. F. Baker, dir. Pub. Serv., two 100 ft., rein.-con. arch span bridges over Wolf Creek, on Sunrise Ave., to Price Bros. Co., Davies Bldg., $149,838. Engrs. est. $225,000. Noted Aug. 27.

Michigan — State Hy. Comn., at office Comrs. St. Clair Co., Port Huron, Bridge 771,703, 90 ft. rein.-con. span, to Price Bros., Lansing, $25,861. Noted Aug. 27.

Wisconsin — State Hy. Dept., Madison, culverts and bridges on Trego-Minong Rd., Federal Aid Project 377-C, Washburn Co., to H. R. Roush, Webster, $22,736; clearing and grubbing above road, to V. Nelson, Superior, $9,615.

Missouri—State Hy. Dept., Jefferson City, to Gaines Bros., Fairland, Okla., two 8 ft. and four 10 ft. rein.-con. slab spans, etc., over creeks $7,051, two 14 ft. and three 20 ft. rein.-con. slab spans, etc., over streams $7,710, all in Franklin Co.; to Smith Bros., Inc., Dallas, Tex., two 12 ft. rein.-con. slab spans, etc., over stream, Saline Co., $2,323; to Pope Constr. Co., Jefferson City, five 20 ft. rein.-con. slab spans, etc., over Luetre River overflow $14,481, one 100 ft. steel truss and seven 20 ft. rein.-con. slab spans, etc., over Luetre River $24,118, both in Montgomery Co.; to A. A. Davis & E. J. Wells, Oklahoma City, Okla., three 16 ft. rein.-con. slab spans, etc., over stream $4,767, one 45 ft. rein.-con. deck girder span, etc., over Blue Ridge Blvd. $13,080, and one 80 ft. steel truss span, etc., over Little Blue River $24,392, all foregoing in Jackson Co.; to A. A. Davis & Co. and Yates Constr. Co., Oklahoma City, Okla., four 20 ft. rein.-con. spans, etc., over Bear Creek overflow $60,790, one 30 ft. rein.-con. deck girder span, etc., over stream $4,902, and one 80 ft. steel truss span, etc., over Clear Fork $11,983, to A. A. Davis & Co., Oklahoma City, Okla., one 60 ft. steel truss span, etc., over Bear Creek, $10,182, all foregoing in Johnson Co.; to Zeigler Bros., Junction City, Kan., one 25 ft. and four 20 ft. rein.-con. slab spans, etc., over Atchison, Topeka & Santa Fe R.R. tracks, Ray Co., $9,013; to O. H. Schmidt, St. Joseph, one 30 ft. rein.-con. deck girder span, etc., over Atchison, Topeka & Santa Fe R.R. tracks, Clinton Co., $6,576; to Cook & Waddell, Ottawa, Kan., three 20 ft. rein.-con. slab spans, etc., over Puzzle Creek, Chariton Co., $4,935; to R. L. Williams, Charleston, three 25 ft. I-beam spans, etc., over Big Lake D. D., Mississippi Co., $6,200; to Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, Ia., one 45 ft., one 40 ft. and one 25 ft. rein.-con. deck girder spans, etc., over Muddy Creek, $6,971, and five 20 ft. rein.-con. slab spans, etc., over Third Fork Creek, $10,313, both in Buchanan Co., to R. P. Harper Constr. Co., Chillicothe, eight 20 ft. rein.-con. slab spans, etc., over overflow of Chariton River $1,555, one 120 ft. steel truss and six 35 ft. I-beam spans, etc., over Chariton River D. D. $32,163, also one 125 ft. steel truss and three 35 ft. I-beam spans, etc., over Chariton River $15,363, all foregoing in Chariton Co.; and to Federal Bridge Co., 1002 B. T. Bldg., Des Moines, Ia., one 140 ft. steel truss span, etc., over Barbouese River, Franklin Co., $37,005. Grand total $254,562. Noted Sept. 10.

Bridges (Continued)

Tex., Memphis—See "Streets and Roads."

Washington—State Hy. Dept., Olympia, 2,840 ft. viaduct and bridge over Puyallup River on Pacific Highway, 16,000 cu.yd. excav., 15,200 cu.yd. concrete, 1,450,000 lbs. reinforcing, 3,575,000 lbs. structural steel, 123,000 lin.ft. piling, etc., to Grant Smith & Co., Henry Bldg., Seattle, $664,910.

Dam

PROPOSED WORK

N. C., Asheville—See "Waterworks."

Railways

PROPOSED WORK

Illinois — Wabash R.R. Co., Railway Exch., St. Louis, Mo., soon takes bids new yards, incl. 50,000 cu.yd. excav., etc., in Decatur. R. H. Howard, ch. engr.

Ontario—City of Ft. Williams plans electrifying and improving 5 mi. Mount McKay and Kakabeka Falls Railway $28,000. C. B. Symmes, City Hall, engr.

CONTRACTS AWARDED

Pennsylvania — Pennsylvania R.R. Co., Broad St. Sta., Phila., general contract 30 ft. widening Panhandle Div. tunnel under 7th Ave., also retaining wall, in Pittsburgh, to T. J. Foley Co., 3rd Ave., Pittsburgh.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Ill., Dillsburg — Dillsburg Special Dist. making preliminary plans farm drain tile drainage system. $20,000. Danely & Smeltzer, Flat Iron Bldg., Urbana, engrs.

Wis., Stoughton—Dane Co. Drainage Bd., N. Holman, Madison, secy., Madison, making plans approximately 60,000 cu.yd. earth excav., and 2,600 ft. 10 in. drain tile. $25,000. P. H. Hintze, Court House, Madison.

Calif., Tracy — Directors Banta-Carbona Irrigation Dist., plans election $125,000 bonds, completing irrigation system. Noted Aug. 7.

BIDS DESIRED

Neb., Hershey—Sept. 29, by D. D. 1, Lincoln Co. at office H. R. Elliott, drain comr., hauling tile, excavating, laying and backfilling 19,354 ft. 10- to 24-in. tile in Drain 1, and 5,170 ft. 12- to 18-in. tile in Drain 2, both Schedule 4. Noted Jan. 1.

BIDS RECEIVED

Mass., Scituate—Dept. Pub. Wks., Boston, dredging about 20,000 cu.yd. material from Scituate Harbor to depth 6 ft. mean low water, here, from Bay State Dredging Co., 65 Condor St., East Boston, $21,220. Engrs. est. $25,000. Noted March 5.

CONTRACTS AWARDED

Miss., Clarksdale—Oxbow D. D., 55,000 cu.yd. excav., to Morrison & Traylor, Coffeeville.

Miss., Decson—D. D. 14, 6½ mi. drainage canals, etc., 100,378 cu.yd. excav., to G. Frank, Shelby.

Ill., Champaign—Harwood & Kerr D. D., 14,600 cu.yd. excav., to R. C. Glick, Fort Dodge, Ia.; 42,767 ft. 10- to 27-in. concrete tile, to Indiana Lock Joint Pipe Co., Lafayette, Ind., and laying same to Anderson & Co., Hector, Minn.

B. C., Vancouver—David Spencer, Ltd., Hastings and Richards Sts., excavation and foundation work 8 story department store, to Northern Constr. Co., 736 Granville St., Vancouver, $117,122. Noted July 2 under "Buildings—Commercial."

Streets and Roads

PROPOSED WORK

Mass., Dorchester (Boston P. O.) — City Council, City Hall, Boston appropriated $225,000, improving Morton St. through Dorchester and Roxbury. J. A. Rourke, comr.

New Jersey — State Hy. Dept. Trenton, plans re-alignment and concrete paving 8,000 ft. Highway Route 9, 20 ft., concrete at Clinton, Hunterdon Co. (Flemington); cut off through Keyport, Monmouth Co. (Freehold). W. G. Sloan, highway engr.

N. J., Jersey City—State Hy. Dept., Trenton, plans another section of Route 1 for approach to Hudson Tunnel from Jersey Ave. over Erie R.R. tracks. $2,000,000. F. Lavis, Trust Bldg., Bergen and Sip Aves., engr.

N. J., Trenton — Plans improving Cadwalader Dr., Buckingham Ave., and Boulevard. $59,000. J. E. English, City Hall, engr.

Pennsylvania—State Hy. Dept., Harrisburg, received no bids Sept. 15, paving and repaving certain alleys in Dist. 1, G-1, Dist. 5, G-4 and G-5; rejected bids asphalt paving Torresdale St.; and withdrew bids redressed granite block paving 15th and 16th Sts.

Md., Baltimore—Plans expending $2,000,000 during 1926, improving pavements and $1,220,000 to repair and rebuild worn out roads. B. L. Crozier, chief engr.

N. C., Goldsboro — Making plans paving various streets to connect highway entering city. $30,000 bonds sold. Noted Aug. 6.

N. C., Zebulon — Making plans grading, and topeka paving 8,000 sq.yd. various streets. $25,000. R. D. Gladding, Wilson, engr.

Fla., Largo — Voted $60,000 bonds improving various streets. J. C. English, city clk.

Fla., Zolfo Springs — Voted $100,000 bonds, paving various streets.

Miss., Fulton—Itawamba Co. voted $40,000 bonds, gravel surfacing Jackson Highway, etc.

Miss., Water Valley — Yalabousha Co. voted $35,000 bonds, gravel surfacing Jeff Davis Highway from Panola to Grenada Counties.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, takes bids within 30 or 40 days constructing Lake shore link of Hammond-New Orleans Highway. $1,500,000. W. B. Roberts, highway engr.

Tenn., Nashville—Bd. Pub. Wks. plans oiling and gravel surfacing Demonbrenn St. from 12th to 16th Aves., Green St. from Wharf Ave. to Keith St., North 2nd St. from Cleveland St. to Legion Lane, and Joseph Ave. from Cleveland St. to Legion Lane. W. W. Southgate, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—Election Nov. 3, $250,000 bonds, paving various roads; also $75,000 bonds paving Warrensville-Center Rd. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Columbus — Making plans, grading, laying necessary water services and sewer connections and paving with (a) asphalt or (b) brick 1,338 ft. Warren Ave., 26 ft. (a) $29,819 (b) $34,279, 1,620 ft. Racine Ave., 24 ft. (a) $31,374 (b) $36,351, also 1,860 ft. 8 in. sewer in alley south Sullivant Ave., $3,741. R. H. Simpson, city engr.

O., East Cleveland (Cleveland P. O.) — Election Nov. 3, $110,000 bonds paving various streets. T. M. Garnett, City Hall, engr.

Mich., Detroit—Plans grading, curbing, guttering and 3½ in. sheet asphalt on 8 in. concrete paving 5,259 sq.yd. Northlawn St., Sect. 1, 60 ft.; 8,302 sq.yd. Ferndale Ave., 46 ft.; 6,049 sq.yd. Washburn Ave., 3,632 sq.yd. Lawton Ave., 3,263 sq.yd. Monte Vista Ave., 4,219 sq.yd. Northlawn Ave., Sect. 2, 3,099 sq.yd. Prairie Ave., all 30 ft.; 2,401 sq.yd. Doyle Ave., 3,055 sq.yd. Caely Ave., 9,852 sq.yd. Sylvester Ave., 4,285 sq.yd. Duane Ave., 3,800 sq.yd. Collingwood Ave., 611 sq.yd. Trowbridge Ave., all 28 ft., and 1,515 sq.yd. Radcliff Ave., 26 ft. P. A. Fellows, city engr.

Mich., Detroit—Plans grading and 6 in. concrete paving 715 sq.yd. North and South Alley between Dubois, Chene, Wullis, and Canfield Sts., $1,720; 324 sq.yd. above alley between Hamilton, 5th, Charlotta and Mercy Aves., $2,070; 1,250 sq.yd. above alley between 4th, Wabash, Butternut and Ash Sts., $3,020; 1,000 sq.yd. above alley between Monica, Stoepel, Bonaparte, and Southfield Aves., $2,400; 403 sq.yd. above alley between Holcolm, Belvidere, Louis and Charlevoix Aves., $970; 1,200 sq.yd. above alley, northerly from Pitt St. to alley between Wendell, Pearl, Pitt, and Woodmere Aves., $3,070; 324 sq.yd. East and West Alley, $780; 1,755 sq.yd. T Alley between Duboise, Chene, Piquette and Adele Sts., $4,220; 2,300 sq.yd. T Alley between Martindale, Otsego, Joy and Maydale Aves., $5,544; 727 sq.yd. alleys between McDougall, Elmwood, Forest, and Hancock Aves., $1,870; 1,025 sq.yd. East and West alley between Beaublen, Kingsley Court, Melbourn and Euclid Aves., $2,370. P. A. Fellows, city engr.

Mich., Highland Park (Detroit P. O.) — Making plans widening, concrete and asphalt paving Woodward, 2nd, Hamilton, Victor, Manchester, Joslyn and Cardoni Aves. $500,000 bonds voted. L. C. Whitsit, Gerald Ave., city engr.

Ia., Des Moines—Soon takes bids sheet asphalt, sheet asphalt Willite process, asphaltic concrete, asphaltic concrete Willite process, asbestophalt, Warrenite asbestos, bitulithic, Johnson bitulithic or brick surfacing 1,140 sq.yd. Tiffin St., 1,200 sq.yd. 3rd St., 16,762 sq.yd. Forest St., 1,478 sq.yd. 15th Pl., 4,661 sq.yd. Searle St., 10,711 sq.yd. Urbandale St., 1,752 sq.yd. Madison St., curbing 15,770 ft. Des Moines St., 6,63[illegible] ft. Maple St., 2,983 ft. 38th St., and 4,75[illegible] ft. Hutton St. K. C. Kastberg, city engr.

Ia., Shenandoah — Making preliminary plans curbing, brick, rein.-con., vibrolithic, Johnson concrete or asphalt resurfacing 8,000 sq.yd. Elm St. R. L. Keltner, City Hall, engr.

Ia., Sigourney—Making preliminary plans grading, curbing and concrete surfacing various streets. $28,000. Brown & Cook, Ottumwa, engrs.

Kan., Erie — Neosho Co. making preliminary plans improving 1.67 mi. Federal Aid Project 308-B, and 2.656 mi. King of Trail Rd., 28 ft. C. L. Donald, Erie, engr.

Mo., Caruthersville — Election Sept. 24, $150,000 bonds, concrete paving road from here west to State Rd. 9, Little Prairie Rd. Dist.

Mo., Springfield — Soon takes bids concrete paving 7,522 sq.yd. Summit Ave. C. W. Culler, City Hall, engr.

Mo., Westplains — Making preliminary plans grading, curbing, paving, etc. 15,000 sq.yd. various streets.

Tex., Amarillo — Election soon $35,000 bonds, paving about 6 blocks North Buchanan St., 45 ft. H. B. Jones, Amarillo, engr.

Tex., Boston — Bowie Co. making plans gravel surfacing 6.92 mi. Simms Rd., State Highway 98, from Boston to point 3 mi. north of Simms, 18 ft. $40,000. F. E. Hess, Bowie, engr.

Tex., Carthage—Panola Co. making plans grading and bridging 5.87 mi. Gravel Bluff Rd. from Carthage to Irons Bayou, State Highway 8, incl. bridges over 20 ft. span $84,200; also grading, bridging and 16 in. iron ore gravel surfacing 5.21 mi. African Ridge Rd. State Highway 64, 16 ft. $79,500. D. E. Martin, Carthage, engr.

Tex., Floydada — Election soon $30,000 bonds gravel or asphalt surfacing about 9 blocks various business streets. B. Bedford, secy. owner.

Tex., Grand Prairie—Making plans 6 in. concrete paving 4 blocks Main St. $25,000. G. H. Turner, mayor. Engineer not announced.

Tex., Hondo—Medina Co. takes bids after Oct. 5, 1 in. rock asphalt topping about 2½ mi. State Highway 3-E. $25,000. Walton & Arneson, Gunter Bldg., San Antonio, engr.

Tex., La Grange — Fayette Co. election Oct. 3, $25,000 bonds, improving roads in Rural Dist. 4. State appropriated $25,000 toward cost. Address County Judge.

Tex., Nordheim — DeWitt Co. (Cuero) election soon $90,000 or $100,000 bonds hard-surfacing 7 mi. highway in Nordheim Dist. Address S. Kulawik, Cuero, co. judge.

Tex., Raymondville—Willacy Co. election soon $200,000 or more bonds, hardsurfacing about 18 mi. various roads. W. H. Mead, Raymondville, judge.

Oklahoma — State Hy. Dept., Oklahoma City, plans hardsurfacing 27 mi. Albert Pike Highway between Stillwater and Yale, 18 ft. $500,000. J. M. Page, highway engr.

Okla., Ada — Plans grading and brick paving 7 blocks Belmont and 20th Sts. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Anadarko — Making preliminary plans grading, curbing and sheet asphalt surfacing 8,200 sq.yd. Central Blvd., 40 ft. $40,000. A. Allen, city clk. Engineer not selected.

Okla., Blair—Making plans concrete paving various streets in business district $125,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Garber—Plans grading and concrete paving 9 blocks Cherokee, Osage and Ponca Sts., 26-50 ft. $38,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, Okla., engrs. Noted Sept. 10.

Okla., Okemah—Plans grading and concrete paving 9,700 sq.yd. North 6th St. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Tecumseh — Pottawatomie Co. voted $750,000 bonds, grading and paving 60 mi. various roads. J. M. Page, Capitol, Oklahoma City, highway engr.

Nev., Nevada City — Election Oct. 5, to vote $63,000 bonds, $48,000 for improving streets; $5,000 for waterworks; and $10,000 for swimming pool.

Calif., San Diego—Common Council plans improving Belvedere St., Neptune Pl., etc., 88,653 sq.ft. concrete paving, 2,093 cu.yd.

Streets and Roads (Continued)

excav., 2,863 ft. curbing, 11,784 sq.ft. sidewalk, etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans improving Pearl St., Girard Ave., etc. 220,478 sq.ft. 6 in. concrete paving, 18,359 sq.ft. 5 in. concrete paving, 12,664 sq.ft. concrete sidewalk, 2,700 lin.ft. concrete curbing, etc.; also Front, Upas, and Thorn Sts., 122,192 sq.ft. 1½ in. asphalt on 4 in. concrete paving, 591 cu.yd. excav., 6,612 cu.yd. embankment, 1,437 ft. curbing, 5,902 sq.ft. concrete sidewalk, etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans improving 21st St. and Julian Ave., 216,627 sq.ft. 1½ in. Warrenite bitulithic on 2½ in. concrete paving, 5,008 sq.ft. concrete sidewalk, 1,122 ft. curbing, 1,500 sq.ft. 1½ in. Warrenite bitulithic top, etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans improving 15th St., 42,817 sq.ft. 5 in. concrete paving, 172,491 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete paving, 7,875 sq. ft. concrete sidewalk, 1,856 sq.ft. curbing, etc. F. A. Rhodes, city engr.

Calif., San Luis Obispo — Coast Road Impvt. Dist. voted $225,000 bonds, asphaltic concrete paving 17.18 mi. road from Toro Creek to Cambria. Noted Aug. 6.

Ont., Hamilton—Plans concrete paving various streets. $50,000. W. L. McFaul, city engr.

Ont., Midland — Plans concrete paving King St. $143,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto—York Twp. plans asphalt paving ¼ mi. Eglington Ave. from Oakwood to Dufferin Sts., $34,000; and concrete sidewalks on Glenholme Blvd. and Ashburton Ave., $1,400. F. B. Goedike, 40 Jarvis St., engr.

BIDS DESIRED

Mass., Boston — Sept. 30, by Dept. Pub. Wks., sheet asphalt or bitulithic paving in Kirkwood St., Brighton; also Oct. 1, in Montclair Ave., in West Roxbury. $25,000. J. A. Rourke, comr.

Mass., Dorchester (Boston P. O.)—Sept. 18, by Dept. Pub. Wks., Boston, recut granite block paving Freeport St., here. $25,000. J. A. Rourke, comr.

Mass., East Boston (Boston P. O.)—Sept. 29, by Transit Dept., 1 Beacon St., Boston, asphalt or bitulithic on concrete paving Maverick Sq., here. $25,000. T. F. Sullivan, chn.

New York—Oct. 5, at office F. L. Merritt, clk. Bd. Supervisors, Court House, White Plains, constructing 0.89 mi. Pleasantville-Briarcliff Rd., portion of County Rd. 40, in village of Briarcliff Manor and town of Mount Pleasant; adv. E. N.-R. Sept. 24.

N. Y., Brooklyn — Sept. 30, by J. H. Guider, boro pres., Boro Hall, permanent asphalt repaving, etc. Kings Highway, Atlantic and Neptune Aves.

N. Y., Long Island City—Sept. 28, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and curbing, etc., 88th Ave. and 51st St. from right-of-way of Long Island R.R. to Corona Ave., 161st, Kindred, 94th and 51st Sts.; grading Plaza at intersection of Beach Channel Dr. and Beach 95th Sts., Hollywood St. and Polka Ave.; regrading, etc., Queens Blvd., and Queens Blvd. from Yellowstone Ave. to Union Turnpike, and Queens Blvd. from 63rd St. to Yellowstone Ave.; paving, etc., 97th St., 88th and 103rd Aves.

N. Y., Long Island City — Sept. 28, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, laying sidewalks, etc. on Woodside Ave.; also constructing rip rap embankment along Beach Channel Dr.

N. Y., New York—Oct. 1, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., grading and curbing, etc. Cambridge Ave. and East 172nd St.; sewers, etc. in Waterbury and Selwyn Aves.

New Jersey—Oct. 5, by State Hy. Comn., Trenton, rein.-con. paving Route 4, Sect. 13-A, Manasquan River Bridge Approach and Sect. 20-B, Manasquan Grade Crossing Elimination, in Monmouth and Ocean Counties; also Route 4, Sect. 25, South Amboy-Cliffwood, in Middlesex and Monmouth Counties. A. L. Grover, secy.; adv. E. N.-R. Sept. 24.

Pa., Phila.—Sept. 30, by Dept. Pub. Wks., Bureau of Highways, 3,000 cu.yd. grading, etc. streets in 40th Ward. Former bids rejected.

Delaware—Oct. 7, by State Hy. Dept., Dover, grading and paving, etc. 0.25 mi. Lums Pond, Contr. CN19B; 3.05 mi. Vines Creek-St. Georges Church, Contr. CS38, and 2.12 mi. Cannon to Atlanta, Contr. CS46; also grading Summit Bridge Approach, Contr. CN19C; adv. E. N.-R. Sept. 24.

Maryland — Sept. 29, by State Roads Comn., Baltimore, concrete paving 0.33 mi. Silver Spring undergrade approaches, Contr. M-49-D, Montgomery Co. J. N. Mackall, chn.; adv. E. N.-R. Sept. 24.

Maryland — Sept. 29, by State Roads Comn., Baltimore, penetration macadam paving 0.66 mi. road along Frederick St., Hagerstown, from city limits to Baltimore & Ohio R.R. crossing, Washington Co., Contr. W-42. J. N. Mackall, Garrett Bldg., Baltimore, chn.

Md., Baltimore—Sept. 30, by Bd. Awards, sheet asphalt on concrete paving 16,800 sq.yd. streets listed in Contr. 302-OCOANA. S. Purcell, City Hall, highways engr.

North Carolina — Oct. 13, by State Hy. Comn., Raleigh, hardsurfacing roads in Halifax, Nash-Edgecombe, Camden-Currituck, Johnston, Cumberland, New Hanover, Franklin, Caswell, Anson, Burk and Cleveland Counties; topsoiling, sand clay surfacing, graveling or grading roads in Wilson, Johnston, Robeson, Warren, Wake, Davidson, Randolph, Stokes, Haywood and Warren Counties; bridge only in Iredell Co.; adv. E. N.-R. Sept. 24.

N. C., Wilson — Oct. 16, by Hy. Comn. Wilson Co., concrete or asphalt paving, etc. 9.15 mi. State Highway Route 91, through Stantonsburg to Ruffins's Bridge. H. W. Rankin, engr.; adv. E. N.-R. Sept. 24.

South Carolina—Sept. 29, by State Hy. Comn., 1626 Main St., Columbia, grading and topsoiling 18,324 cu.yd. State Route 19 and 284, also rein.-con. concrete bridge over Duncan Creek, on State Project S-605, incl. 79,330 lb. reinforcing, etc., Newberry Co., E. D. Sloan, Court House, Greenville, engr.; also grading and topsoiling 31,540 sq.yd. State Route 391, State Project S-592. State Highway Engineer, Columbia, engr.

South Carolina—Sept. 29, by State Hy. Comn., Raleigh, sand clay surfacing, etc., 10,680 cu.yd. State Route 23, State Project, S-567-B, Dillon Co., J. M. Martin, Florence, engr.; earth approaches to King Street Viaduct over Southern & Atlantic Coast Line Railways, on State Route 2, Federal Project 178-A Charleston Co., and five 15 ft. span treated timber bridge Orangeburg Co., over Goodland Creek, State Route 1, State Project S-543, A. T. Brown, Scovill Bldg., Orangeburg, engr.

Fla., Lake Alfred—Oct. 6, by Mayor and City Council, 110,000 sq.yd. paving various streets. H. S. Jaudon Eng. Co., Eustis, engrs.

Alabama — Oct. 14, by State Hy. Dept., Montgomery, asphalt, chert or concrete surfacing 5.5 mi. Opelika-Auburn Rd., Lee Co., $45,000-$115,000; sand clay surfacing 5 mi. Elba-Troy Rd., Coffee Co., $56,000 and 14.6 mi. Geneva-Coffee Co. line-Elba Rd., Geneva Co., $52,000; bituminous surfacing 32 mi. Gadsden-Birmingham Rd., St. Clair Co., $159,000; chert surfacing 23 mi. Scottsboro-Tennessee State line Rd., Jackson Co., $31,000; grading 17 mi. Flomaton-Perdido Station Rd., Escambia Co., $35,000, all 18 ft.

Miss., Aberdeen—Sept. 29, by City Clerk, curbing, guttering and Warrenite on concrete surfacing 20,400 sq.yd., Warrenite on gravel surfacing 13,000 sq.yd., and concrete surfacing 13,000 sq.yd. various streets. A. L. Dabney, 820 Columbia Tower Bldg., Memphis, Tenn., engr.

Miss., Gulfport—Oct. 6, by Bd. Supervs. Harrison Co., 2 in. Warrenite bitulithic surfacing 24,900 sq.yd. Old Spanish Trail from Jeff Davis Ave. in Long Beach to Menge Ave. in Pass Christian; and resurfacing 12,000 sq.yd. Old Spanish Trail, in Beat 2. W. S. Hawkins, Gulfport, consult. engr.

Miss., McComb—Oct. 8, by Bd. Supervs. Pike Co., grading and gravel surfacing 15 mi. McComb-Walkers Bridge Rd., Federal Aid Project 35. Noted Sept. 10.

Louisiana—Oct. 2, by J. R. Leslie, pres. Police Jury, Washington Parish, Franklinton, grading and graveling 8,000 cu.yd. road from Franklinton to Backley.

Louisiana—Oct. 13, by State Hy. Comn., Baton Rouge, 8,000 cu.yd. washed gravel, delivered f.o.b. near Rhymes, Richland Parish. W. B. Robert, highway engr.

O., Cleveland — Sept. 30, by City, paving Worthington Ave. S. W., Western Ave. N. W., East 46th, 47th, 97th, 105th 144th, 147th and 185th Sts., West 37th, 122nd, 140th and 162nd Sts., 88th St. from Carnegie Ave. S. E. to Euclid Ave. and 88th St. from Union Ave. S. E. to Bessemer Ave., R. Hoffman, city engr.

Michigan—Oct. 6, by State Hy., Dept., at office Comrs. Cheboygan Co., Cheboygan, graveling 7.147 mi. Federal Aid Project 172 A 3, 18 ft. G. C. Dillman, Lansing, highway engr.

Michigan—Oct. 7, by State Hy. Dept., at office Comrs. Antrim Co., Bellaire, graveling 6.178 mi. State Trunk Line 88-1, Sects. C and D, 16 ft. G. C. Dillman, Lansing, highway engr.

Michigan—Oct. 12, by State Hy. Dept., at office Comrs. Marquette Co., Ishpeming, graveling 6.477 mi. State Trunk Line Rd. 35-5 B-2. G. C. Dillman, highway engr.

Mich., Detroit — Oct. 1, by Dept. Pub. Wks., grading and 3½ in. sheet asphalt on 8 in. concrete paving and (a) berea curbing or (b) concrete curbing 4,120 sq.yd. Linhurst St., (a) $18,540 (b) $17,300; 4,470 sq.yd. Lakeview Ave., (a) $20,110 (b) $18,780; 15,000 sq.yd. Balfour St.; 49,300 sq. yd. Schoolcraft St.; 3,110 sq.yd. Hathon St. (a) $14,620 (b) $13,680; 15,000 sq.yd. Six Mile Rd.; 4,530 sq.yd. Pulford St.; 4,350 sq.yd. Marcus St., (a) $18,700 (b) $17,400; 1,230 sq.yd. Buhl St., (a) $6,340 (b) $6,030; 6,300 sq.yd. Wisner St.; 6,300 sq.yd. Monthier St.; 2,520 sq.yd. Hazel Ridge; 2,060 sq.yd. Hurlbut St.; 1,470 sq.yd. Hindle St., (a) $7,650 (b) $7,200; 5,990 sq.yd. Stoepel St., (a) $25,160 (b) $23,360; 510 sq.yd. Alaska St., (a) $2,350 (b) $2,400; 1,810 sq.yd. Van Buren St., (a) $8,320 (b) $7,780; 1,810 sq.yd. MacKenzie St., (a) $8,320 (b) $7,780; 4,100 sq.yd. Julian St. (a) $18,860 (b) $17,630; 2,670 sq.yd. Pinhurst St., (a) $12,010 (b) $11,210; 5,840 sq.yd. Burnette St.; and 8,990 sq.yd. Bryden St. P. A. Fellows, city engr.

Ill., Joliet—Sept. 28, by Will Co., waterbound macadam surfacing 3.02 mi. Sect. X-2-15-D, 10 ft. wide with 10 ft. shoulders, Green Garden Twp. W. H. Smith, Joliet, co. supt. highways.

Ill., Rockford—Sept. 25, by J. H. Hallstrom, pres. Bd. Local Impvts., grading, sewering, curbing and concrete surfacing 18,321 sq.yd. 15th St. and 12th Ave. $82,100. B. C. Harvey, City Hall, engr. Noted Aug. 20.

Arkansas—Sept. 29, by State Hy. Comn., Little Rock, single bituminous surfacing 45,725 sq.yd. Federal Aid Project 26, and 21,120 sq.yd. non federal aid section, Johnson Co. R. C. Limerick, highway engr.

Ark., Van Buren—Sept. 24, at office C. M. Wofford, city secy., grading, curbing, sewering and 1, 2 and 4 in. mixed concrete surfacing 20,200 sq.yd. various streets in Paving Dist. 6. W. L. Winters, Ft. Smith, engr.

Tex., Beeville — Sept. 25, by Engineer Bee Co., 1 in. cold rock asphalt paving 107,000 sq.yd. State Highway 12, State Aid Project 613. $70,000. R. Harrison, Beeville, engr. R. J. Hank, Austin, highway engr.

Okla., Guthrie — Taking bids grading, curbing and concrete surfacing 21,250 sq.yd. Broad, Grand, Walnut, Perkins and Vilas Sts., Dist. 53. G. L. Anderson, city clk. Noted Sept. 10.

Idaho — Sept. 28, by Commissioner Pub. Wks., at Idaho Hotel, Coeur d'Alene, grading, and crushed rock surfacing 11.6 mi. Coeur d'Alene-Chilco Rd., Federal Aid Project 100-A, Kootenai Co., 8 acres clearing and grubbing, 23,851 cu.yd. earth, 382 cu.yd. solid rock and 179 cu.yd. loose rock excav., 3,700 lb. reinforcing, etc. P. E. Oxley, 202 Pioneer B Bldg., Lewiston, dist. engr.

Washington—Oct. 6, by State Hy. Comn., Olympia, crushed rock or gravel surfacing 12 mi. North Bank Highway from Underwood to Lyle, Klickitat Co. J. W. Hoover, highway engr.

Calif., San Diego—Oct. 5, by City Clerk, grading, curbing, guttering, sidewalks and concrete paving 101,506 sq.ft. Nautilus St., and paving 93,435 sq.ft. Ivanhoe Ave., Wall and Cave Sts. F. A. Rhodes, city engr. Noted Aug. 27.

BIDS RECEIVED

Connecticut — J. A. MacDonald, comr. State Hy. Dept., Hartford, waterbound macadam paving 2,860 ft. Washington-New Preston Rd., in Washington, from Osborne & Barnes, Odd Fellows Bldg., Danbury, $23,164, 11,700 ft. Lime-Rock South Cahaan Rd., in Canaan, from M. A. Gammino Constr. Co., 728 Valy St., Providence, R. I., $147,000; rein.-con. paving 18,292 ft. Norwich-Willimantic Rd., in Franklyn, from A. D. Bridges & Sons, Hazardville $140,830, 29,475 ft. Cheshire-Waterbury Rd., in Waterbury Rd., in Waterbury, from C. W. Blakeslee & Sons, 58 Waverly St., $199,401; asphalt over concrete paving 1,750 sq.yd. at intersection Howe Ave. and Bridge St., in Shelton, from Silliman & Godfrey Co., 133 Admiral St., Bridgeport, 6,626; native stone macadam paving 4,300 ft. Shelton-Huntington Rd., in Shelton, from D. V. Frione, 105 Ward St., New Haven, $32,988.

N. J., Hackettstown — Common Council, Sept. 14, concrete paving about 1 mi. Mountain Ave., from S. B. Martin, Sussex, $45,400. Noted Sept. 3.

Streets and Roads (Continued)

N. J., Perth Amboy—Middlesex Co. (New Brunswick), Sept. 8, paving Williams, Division, Barclay, Penn, Catherine, Rector and Meade Sts., from Standard Bitulithic Co., Fayette St., $127,051; 6 streets only, from W. C. Smith, 221 South 1st St. $115,538.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, Sept. 17, surfacing Packer St. between Broad and 10th Sts., from Vare Constr. Co., 1120 Race St., $65,315; 7th and 10th between Johnston and Pattison Sts., from Union Paving Co., 30th and Locust Sts., $91,371 and $97,708 respectively. Noted Sept. 10.

Delaware—State Hy. Dept., Dover, Sept. 16, removing old bridge at Drawyers, Contr. 37E, from Shallcross Bros., West Main St., and railroad tracks, Middletown, $1,750; grading and paving 0.87 mi. Rehoboth Connection, Contr. CS30C, from Smyrna Concrete Products Co., Smyrna, stone concrete, metal joint $27,514, open joint $27,604, slag concrete, metal joint $27,145, open joint $27,235; 2.6 mi. Maryland-Lyne-Hartley, Contr. CK30, from Highway Eng. & Constr. Co., Selbyville, slag concrete, metal joint $72,307, open joint $71,479, from George & Lynch, Dover, stone concrete, metal joint $74,152, open joint $73,462. Noted Sept. 3.

Virginia — State Hy. Comn., Richmond, Sept. 10, grading 1.318 mi. road and constructing bridge over Stewards Creek, Bath Co., from, Clarke & Lewis, Luray, $26,199; bituminous macadam paving, 3.672 mi. road and constructing bridge over Mill Creek, Page Co., from L. R. Colbert, Fredericksburg, $88,261; concrete paving 2.58 mi. road, Accomac Co., from Baker-Royal Co., Va. Railway & Power Bldg., Richmond, $74,553. Noted Sept. 3.

South Carolina — State Hy. Dept., Columbia, Sept. 15, **(S. R. means State Route, S. P. State Project and F. A. P. Federal Aid Project)**, from Slattery & Henry, Greenville, hardsurfacing 0.965 mi. S. R. 21, F. A. P. 253-B, $28,560, surfacing 3.46 mi. S. R. 21, F. A. P. 253-A, plain concrete $110,684, asphaltic concrete $113,028, both in Greenville Co., from Pritchard, Raines-Hazelhurst Constr. Co., Sumter, sheet asphalt paving same road $122,610; from J. T. Blassingame, Greenville, earth approaches to Durhams Bridge, on S. R. 8, F. A. P. 231, Anderson and Greenville Counties, $5,296; from McKenzie & Johnson, Abbeville, sand clay surfacing 6.3 mi. S. R. 19, F. A. P. 258, Edgefield Co. $25,001, from J. E. A. Branyon, Honea Path, 19.2 mi. S. R. 341, S. P. S-601 A $45,629, from W. C. Carter, Mebame, S. P. 601-B $57,973, from J. L. Carroll, Columbia, treated timber bridge on S. P. S-601-C, $15,009, all in Florence Co.; from A. W. Obenshain, Sumter, 73 ft. rein.-con. bridge over Tidewater Creek, on S. R. 8, F. A. P. 95-C, Beaufort Co., $9,101, alternate from Fulmer & Phillips, Leesville, 85 ft. timber bridge $5,141. Noted Sept. 10.

Louisiana—State Hy. Dept., Baton Rouge, constructing 11 mi. Haynesville-Bernice Highway, State Project 453 B, 1 and 2, Claiborn Parish, from R. H. Minton, Hemphill, Tex., $82,227 and $80,728 respectively; 1.69 mi. Opelousas-Churchpoint Highway, State Project 496 A, Landry Parish, from J. C. Wimberly, Churchpoint, $50,832; West Barrow St. bridge, on Houma-Morgan City Highway, State Project 492, Terrebonne Parish, from Austin Bridge Co., 1813 Clarence St., Dallas, Tex. $4,684. Noted Aug. 27.

La., Lake Charles—City Council, grading, curbing and concrete paving 22 streets, from Martin & Riling, Lake Charles, $190,000. Noted Aug. 13.

O., Cleveland—City, Sept. 9, from Cleveland Trinidad Paving Co., The Arcade, improving East Blvd. from Union Ave. to East 116th St. $57,570, and East Blvd. from Kinsman Rd. to Union Ave. $43,258, Diana Ave. $10,195, Dellewood Ave. $14,420, Bellaire Ave. $45,388, Glenside Ave. $9,383, Delaven Ave. $13,843, Harvard Ave. $45,128, Doris Ave. $9,514, West 52nd St. $20,264, Dunkirk Ave. $2,303, Clair Ave. $25,067, work involves 78,615 sq.yd. sheet asphalt, 38,440 lin.ft. 4 in. stone curbing, 40,720 lin.ft. 4 in. drain tile gutter, 35,670 cu. yd. earth excav., Desmond Ave., brick $29,260, Dove Ave., brick $44,301; from Enterprise Paving & Constr. Co., 8444 Bway., Buckeye Rd., asphalt $32,252; from Highway Constr. Co., West 112th St. and Buckeye Rd., Desmond Ave., asphalt $25,467, Dove Ave., asphalt $35,056, work involves 21,680 sq.yd. vitr., brick or sheet asphalt, 10,470 lin.ft. stone curbing, 9,700 lin. ft. 4 in. drain tile gutter and 5,500 cu.yd. earth excav.

O., Cleveland—Cuyahoga Co., improving McKenzie Rd., 14,300 sq.yd. concrete, 14,300 lin.ft. 4 in. drain tile gutter, 4,600 cu.yd. earth excav., from Patterson Constr. Co., 603 Bway., Lorain, $51,652 engrs. est. $62,500; Miles Ave. 4, 48,500 sq.yd. paving 24,300 lin.ft. stone curbing, 24,900 lin.ft. 4 in. drain tile gutter, 6,400 cu.yd. earth excav., from Highway Constr. Co., West 112th St. and Madison Ave., lake asphalt $267,848, oil asphalt $262,998; concrete $259,239, from Cleveland Trinidad Paving Co., The Arcade, brick $311,200, engrs. est. $371,700.

O., Lisbon—Columbiana Co., improving Camp Ground Rd., from Allison & Harris Constr. Co., East Liverpool, willite $48,296, concrete $39,408; from G. B. Patterson, Wellsville, amiesite $48,112. Noted June 4.

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., 3½ in. sheet asphalt on 8 in. concrete paving 8,695 sq.yd. Wisconsin Ave. $36,702, 6,745 sq.yd. Wilson Ave. $30,108, 2,475 sq.yd. Vernor Ave. $10,939, 15,260 sq.yd. Woodmere Ave. $64,219, 1,147 sq.yd. Sylvester Ave. $5,591, 8,975 sq.yd. Ardmore Ave. $38,577, 3,290 sq.yd. Burwell Ave. $15,249, 8,050 sq.yd. American Ave. $35,236, 757 sq.yd. Beaman Ave. $3,819.

Wis., Milwaukee—Dept. Pub. Wks., Sept. 11, from R. H. Gumz, 831 13th St., 7 in. vibrolithic concrete paving Hayes Ave. between 14th and 15th Aves. $6,195, Reed St. from Washington to Greenfield Sts. $10,240, Rose Hill Pl., from Dunlop to Becher Sts. $3,487, from Kroening Constr. Co., 39th Ave. and Mitchell St., 8 in. vibrolithic concrete paving Vliet St. from 47th to 60th Sts. $37,277, concrete curbing and guttering Wilson St. from Howell to Austin Sts., $932; from White Constr. Co., 68 Wisconsin St., asphalt resurfacing Lake St. from Barclay to Clinton Sts. $3,064, and from Badger Constr. Co., 97 Wisconsin St., Elm St. from Lisbon to 45th Sts., $10,730; from A. E. Retzlaff, 868 Island Ave., 7 in. vibrolithic concrete paving Cherry St. from 49th to 50th Sts., $2,717; from J. Schwertzer, 97 Wisconsin St., concrete curbing and guttering 47th St. from Chambers to Burleigh Sts., $2,311.

Texas—F. V. Lanham, chn. State Hy. Comn., Austin, grading, gravel surfacing and bridging 3.977 mi. State Highway 5, Federal Aid Project 480-B, Bowie Co., from G. G. and C. W. Burgess, 928 Kirby Bldg., Dallas, $41,594, engrs. est. $46,000; grading, caliche paving and bridging 11.13 mi. State Highway 1, Federal Aid Project 391-C, Ward Co., from F. P. Holt, Sanderson, $138,141, engrs. est. $157,500. Noted Sept. 3.

Texas—State Hy. Comn., Austin, grading and bridging 9.68 mi. State Highway 30, Federal Aid Project 493-A, Jones Co., from H. J. Evans, 500 West 15th St., Austin, $47,261. Engrs. est. $58,300. Noted Sept. 3.

Texas — F. V. Lanham, chn. State Hy. Comn., Austin, Sept. 11, clearing grubbing, grading and bridging 5.89 mi. State Highway 34, Federal Aid Project 385-B, incl. 54,302 lb. reinforcing, etc., from L. B. Everett, McKinney, $23,783, engrs. est. $29,400; 4.83 mi. same road, Sect. D., incl. 119,986 lb. reinforcing, etc., from McClung Constr. Co., Cleburne, $44,978, engrs. est. $56,000, both in Ellis Co. Noted Sept. 3.

Tex., Jourdanton — F. V. Lanham, chn. State Hy. Comn., Austin Sept. 11, **(e. e. means engrs. est.)** grading, bridging etc. 8.371 mi. State Highway 9, State Aid Project 627-A, incl. 69,932 lb. reinforcing, and 4.687 mi. State Highway 9-A, State Aid Project 628, incl. 39,722 lb. reinforcing, from H. Kyle, Hutto, $28,904 and $19,488 respectively, e. e. $36,400 and $26,000 respectively; 9.09 mi. State Highway 9, State Aid Project 627-B, incl. 31,671 lb. reinforcing, and 8.246 mi. State Highway 9, State Aid Project 627-C, incl. 59,899 lb. reinforcing, from H. J. Evans, 500 West 15th St., Austin, $27,247 and $35,204 respectively e. e. $33,000 and $40,000 respectively, all 26 ft., in Atascosa Co. Noted Sept. 10.

Tex., Linden — Cass Co., grading and bridging 5.64 mi. State Highway 8, Federal Air Project 457-A, from B. F. Brooks Constr. Co., 327 Slaughter Bldg., Dallas, $55,371. Engrs. est. $57,000.

Tex., Madisonville—Madison Co., clearing, grading and bridging 10.18 mi. State Highway 2, Federal Aid Project 486-A, 26 ft., from Smith Boyett & Co., Bryan, $59,576. Engrs. est. $65,000.

Wash., Seattle—Bd. Pub. Wks., from J. L. Smith, 304 West 36th St., improving 42nd Ave. S. W., et al., 20,000 cu.yd. excav. at $0.45 per cu.yd., 1,200 sq.ft. concrete sidewalks $1.35, 46,500 ft. concrete curbing $0.25, 1,530 sq.yd. 5 in. concrete paving $1.50, 79,800 sq.yd. 6 in. concrete paving $1.40, etc., total $178,450. Engrs. est. $195,000.

California—State Hy. Comn., Sacramento, Sept. 8, grading 4.09 mi. Alturas State Lateral, in Big Valley, Lassen Co., from D. McDonald, 1901 L St., Sacramento, $39,950. Engrs. est. $73,055. Noted Aug. 27.

Calif., Alhambra — Curbing, guttering, sidewalks and oil macadam paving 223,259 ft. Westminster Ave., Avondale Dr., etc., from R. P. Law, 6115 Delphi St., Los Angeles, $41,345.

Calif., Los Angeles — Grading, curbing, guttering, sidewalks and paving Manchester Ave. and Ave. 26 between Dayton and Pasadena Aves., from G. H. Oswald, 356 East 58th St., $28,850 and $33,902 respectively, engrs. est. $33,141 and $38,861 respectively; asphaltic concrete paving, etc. 45,786 sq.ft. Evergreen Ave., from Griffith Co., 502 Los Angeles Ry. Bldg., $21,345, engrs. est. $27,004; concrete paving, etc. 45,143 sq.ft. Budou Ave. between Martin and Phelps Sts., from J. and P. Cristich, 1817 East 3rd St., $124,678, engrs. est. $151,417.

Calif., San Diego—From Griffith Co., 25 14th St., 2 in. asphalt on 5 in. concrete paving 76,828 ft. L St. from 9th to 32nd Sts. at $0.228 per sq.ft., 384,964 sq.ft. 1½ in. asphalt on 4 in. concrete paving $0.197, 14,554 sq.ft. concrete sidewalk, $0.21, 2,743 ft. concrete curbing $0.63, 4,399 cu.yd. excav. $0.75, etc., total $101,653; from G. R. Daley, 4450 Boundary St., 2 in. asphalt on 5 in. concrete paving 69,976 sq.ft. Juniper St. $0.237, 624 cu.yd. excav. $0.90, 247 sq.yd. embankment $0.40, 8,382 sq.ft. concrete sidewalk $0.20, 1,687 ft. concrete curbing $0.65, etc., total $21,119. Noted Sept. 3.

CONTRACTS AWARDED

Mass., Brookline—Sheet asphalt paving Chestnut Hill Ave., to J. C. Coleman & Sons, 1620 Tremont St., Roxbury. Engrs. est. $25,000.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to F. Persicano, 350 Fulton St., grading, curbing and flagging Crown St. $3,157 East 98th St. $5,521, 51st St. $4,131; to Uvalde Asphalt Co., 1 Bway., New York City, sheet asphalt paving Crown St., etc. $8,735, East 26th St., etc. $8,027 and East 26th St., etc. $10,427 asphalt paving Rutland Rd. $23,614, to Brooklyn, Alcatraz Asphalt Co., 407 Hamilton Ave., East 9th St. $8,252, 63rd St. etc. $5,332, 71st St. $8,436, East 10th St. $9,363, East 16th St. $9,153; to W. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing and flagging East 16th St. $5,036, West 9th St. $4,989, 52nd St. $3,292, 55th St. $3,810, 61st St. $3,660, to G. M. Mandato, 129 29th St., East 10th St. $2,823, East 26th St. $3,024, East 37th St. $3,367, Ave. M and Gravesend Ave., etc. $2,844; to Sicilian Asphalt Co., 41 Park Row, New York City, asphalt repaving Gates Ave. $36,425, Montague St. $32,880; to B. Turecamo, 8706 Bay 12th St., asphalt paving Ave. M, etc. $21,831, 55th St. $9,087, to Cranford Co 52 9th St., 19th Ave. $4,321, 52nd St. $7,109, 63rd St. $4,835, to M. J. O'Hara, 717 65th St., 61st St. $9,691; to Buoniello Contg. Co., 6903 Ft. Hamilton Ave., grading, curbing and flagging 64th St., $13,709; to C. Bennett Contg. Co., 414 Rutland Rd., grading, recurbing and granite paving Rochester Ave. $12,066. Granite paving Montague St. $15,157. Grand total $304,104. Noted Sept. 10.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, grading, curbing and flagging East 29th St., to Grimm Contg. Co., 170 McKinley Ave. $2,662, 56th St. and asphalt paving 56th St., to Buoniello Contg. Co., 6903 Ft. Hamilton Ave., $821 and $4,270 respectively; grading, curbing and flagging, etc. 68th St., and asphalt paving 68th St., to Cranford Co., 52 9th St., $1,827 and $8,207 respectively; asphalt paving Ocean Ave., etc., to M. J. O'Hara, 1228 Park Ave., New York City, $160,458. Grand total $178,245. Noted Sept. 17.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading, curbing and flagging, etc. Foster Ave., $11,548; to Haupert, Pizzo Foley & Alfieri, 140 Beadle St., Brooklyn, curbing and laying sidewalks, etc. on Grout Ave. $2,304, Tiemann Ave., etc. $1,523, grading, etc. 179th Pl. $775; to Kennedy & Smith, Inc., 93 Amity St., Flushing, asphalt repaving Diagonal St. and Jackson Ave. $56,280; to Sicilian Asphalt Paving Co., 41 Park Row, New York City, grading, curbing, sidewalks, etc. on 116th St. $24,500; to C. Bennett Contg. Co., 414 Rutland Rd., Brooklyn; grading, etc. Rockaway Blvd., $115,197. Grand total $212,037. Noted Sept. 17.

New Jersey—State Hy. Comn., Trenton, constructing Delaware River Bridge Connecting Rd., Pensauken Boro, and Sect. 2, Delaware River Bridge Entrance Rd., in Camden, to S. J. Groves & Sons Co., Duncannon, Pa., $758,710. Noted Sept. 17.

N. J., Burlington—Concrete paving, etc., East Pearl and West Federal Sts., to M. Schrieber, 500 Berkley St., Camden, inside trolley tracks $14,000; and to W. H. King, Moorestown, outside trolley tracks $17,758. Engrs. est. $31,758. Noted Sept. 10.

Streets and Roads (Continued)

Pennsylvania — Dept. Highways, Harrisburg. **(R means Route and A means Application)**, rein.-con. paving 42,405 sq.yd. R. 68-119 Unity-Hempfield Rd., Westmoreland Co., to Hermann & Gass, Latrobe, $224,897; 37,241 sq.yd. R. 75, A. 3484, Venango Co., to Standard Paving Constr. Co., 1101 Cicero Ave., Chicago, Ill., $163,703; 16,017 sq.yd. A. 2697, Montgomery Co., to Juniata Co., Empire Bldg., Phila., $57,450; 23,667 sq.yd. R. 115, A. 3353, Center-Porter Rd., Beaver Co., to J. C. Devine Co., 335 East Columbia St., Alliance, O., $114,443; 15,516 sq.yd. R. 57, Tyrone-Snyder Rd. Blair Co., to L. R. Mathieu & Sons, Altoona, $63,328; 132,874 sq.yd. R. 102, Sect. 5, Ulyses-Sweden Rd., Potter Co., to D. L. Dennis, Smethport, $743,567; 21,095 sq.yd. R. 251, A. 3027-E, Armstrong Co., to Johnson-Drake & Piper Inc., Minneapolis, Minn., $91,864; 17,532 sq.yd. R. 69, A. 3030-2617 Armstrong Co., to M. J. McMahon, Dubois, $111,382; 8,125 sq.yd. A. 3316, Beaver Co., to G. S. White Co., Jenkins Arcade, Pittsburgh, $40,078; and 24,888 sq.yd. A. 3451, Mercer Co., to Meridith & McVaugh, Castle Shannon, $80,767. Grand total $1,691,479. Noted Aug. 13.

Pa., Phila. — Bureau of Highways, Dept. Pub. Wks., to T. P. Lee, 5629 Cherry St., grading Atwood, Harlan and Kenmore Sts. $21,729, to Gadknecht & Cullison, Torresdale and Robbins Sts., Devereaux and Hasbrook Sts. $3,227, Tackawanna St. $206, to R. B. Wenner, 2313 Walnut St., Ferndale St. $3,164, Somerville St. $2,701, to Dawes Bros., 5th and Fishers Aves., Pennypack St. $9,179, to McCarrick Bros., 3138 North 24th St., Rorer St. $3,213, to Keystone State Corp., Franklin Bank Bldg., Terminal St. $20,424; to Barber Asphalt Co., 239 North 20th St., asphalt paving Bigler and 12th Sts. $13,692, Carlisle St. $3,899, Chew St. $5,249, Marshall St. $6,732, Winston St. $12,887, Cooper St. $2,515, to Mack Paving & Constr. Co. Nicetown Lane and Luzerne St., Crittenden St. between Mt. Airy and Gowen Sts. $17,231, and Crittenden St. between Vernon Rd. and Gorgas St. $8,600, Horrocks St. $10,482, Sedgwick and Wayne Sts. $22,983, Wellesley St. $9,999, 72nd Ave. between York Rd. and Broad St. $8,062, and 72nd Ave. between Walnut Lane and 21st St. $7,199, to Union Paving Co., 30th and Locust Sts., Oregon St. $246,437, surfacing Pattison St. $67,146, 20th St. $52,580; to Eastern Asphalt Paving Co., Penn Bldg., asphalt paving Oregon St. $53,371, asphalt repaving Snyder St. $73,542, and 22nd St., $22,478; to A. J. Henderson, East Washington Lane and Reading R.R. tracks, improving Cheltonham St. $37,815, and Thompson St., $14,288; to Vare Constr. Co., 1120 Race St., surfacing Packer St., $103,699; to Mazzola & Marano, 739 South 7th St., redressed granite block repaving Snyder St. $37,664, 5th St. $14,815, 6th St. $19,641; to J. J. McHugh, 1617 Race St., alleys in Dist. 1, G-2 $1,822. Dist. 6, G-6 $6,180; to E. J. Lavino, Bullitt Bldg., furnishing filler for asphalt paving mixtures, $2,910. Grand total $977,820.

Pa., Pittsburgh—Pennsylvania R.R. Co., Broad St. Sta., Phila., extending Grant St. between 7th and Liberty Aves., here, to Booth & Flinn Ltd., Forbes St.

Md., Baltimore — Bd. Awards, grading, curbing and concrete paving 18,000 sq.yd. streets listed in Contr. 299-OANA, to Tydings, Marine Co., 2 East Lexington St., Baltimore, $49,883. Noted Sept. 17.

W. Va., Marlinton — Pocahontas Co., penetration macadam surfacing 3.5 mi. Durbin-Bartow Rd., 16 ft., to Dougher & Boone, Lewisburg, $72,000. Noted Aug. 27.

Georgia—State Hy. Dept., East Point, **(F.A.P. means Federal Aid Project)** constructing 1 bridge and grading, etc. 4 mi. Brunswick-Kingsland-Jacksonville Florida Rd., F.A.P. 432-A, Camden Co., to Wallace Constr. Co., Atlanta, $82,410; surface treating, etc. 8.975 mi. Macon-Perry Rd., F.A.P. 401 A and B, Houston Co., to Newton, Fryar, Transferler, Chattanooga, Tenn., $25,248; concrete paving 6.27 mi. Camella-Thomasville Rd., F.A.P. 440 A, Thomas Co., to Whitley Constr. Co., La Grange, $145,254, and 1.116 mi. road in Louisville, F.A.P. 441, Jefferson Co., to J. R. and J. B. Miller, Baconlen, $28,230. Grand total $281,142.

Alabama—State Hy. Comn., Montgomery, graveling 7.3 mi. road between Wedgeworth and Five Mile Creek, 18 ft., to Nixon & Phillips, Montgomery, $52,624; concrete paving 1.3 mi. road in town of East Brewton, 30 ft., to Lawrence Constr. Co., Jackson, Miss., $35,845.

Miss., Gulfport — Bd. Supervs. Hancock Co., paving 2nd St., to Southern Paving Co., Volunteer Life Bldg., Chattanooga, Tenn., $14,526; grading Lyman-Poplarville Rd., to Marks & Brown, Hazelhurst, $24,456; creosote bridge on Ramsey Springs Rd., to Newsome Bros., Goss, $1,098; bridge material, to Gulfport Creosote Co., Gulfport, $1,430. Grand total $41,510. Noted Aug. 27.

Miss., Hazelhurst—Copiah Co., rebuilding 7 mi. Georgetown Rd., Dist. 1, to G. Marx, Hazelhurst, $16,500; widening and straightening 10 mi. Georgetown-Hazelhurst Rd., Dist. 5, to D. F. Gates, Hazelhurst, $19,500.

La., Lafayette—For 16 mi. concrete sidewalks on various streets, to Thibodeax & Harrison, Baton Rouge, La., $64,038.

La., Shreveport—Curbing, guttering, and asphaltic concrete paving Portland Ave., to Flenniken Constr. Co., Cahn Bldg., $26,188; rock asphalt paving Boulevard and East College Sts., to Shreveport Paving Co., Shreveport, $3,993 and $3,644 respectively. Grand total $33,825.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, grading and concrete surfacing 6.68 mi. Nashville-Una Rd., 20 ft., Federal Aid Project 56-A, Davidson Co., to Gradison Constr. Co., Mt. Sterling, Ky., $219,947. Noted Aug. 6.

O., Bellaire—Rein.-con. paving Bank, 1st and Rosser Aves., to Rosser & Maloney, Bellaire, $26,547.

O., Cincinnati—Improving Western Ave., 18,400 sq.yd. granite block, 300 sq.yd. asphalt, 2,200 cu.yd. concrete, 49,000 lin.ft. granite curbing, 1,670 lin.ft. cement sidewalks, to Henkel & Sullivan, 105 Bell Blk., $124,174. Engrs. est. $131,491. Noted Sept. 17.

O., Cleveland—City, improving East 158th St. and Ironwood Ave., 2,470 sq.yd. sheet asphalt, 1,660 lin.ft. stone curbing, 1,750 lin.ft. 4 in. drain tile gutter and 1,050 cu. yd. earth excav., to Gould & Maybach, 16113 Saranec Rd., $9,783 and $13,560 respectively.

O., Cuyahoga Falls—Improving Harrison Ave., to T. E. McShaffrey Constr. Co., 173 South Forge St., Akron, $53,193. Engrs. est. $55,000. Noted Sept. 17

O., Youngstown—Mahoning Co. improving East River Rd., to Fredericksburg Bridge, to Rudy Bros. Constr. Co., Youngstown, $29,195. Engrs. est. $30,000.

Mich., Detroit—To M. R. Hanna Co., 2700 Six Mile Rd., 3½ in. asphalt on 8 in. concrete paving Dequindre St. $45,822, Jos. Campau Ave. Sect. 1 $55,442 and Sect. 2 same avenue $99,473, to Detroit Asphalt Paving Co., 909 Free Press Bldg., Dorothy Ave. $17,856, Waverly Ave. $12,044, Kellogg Ave. $9,449, Wildemere Ave. $4,662, Vernor Ave. $37,054; to Bishop & Weir, 1305 Lafayette Bldg., 1 course concrete paving Alley 2406 $6,818, Alley 2407 $4,233, Alley 2414 $2,496, Alley 2443 $3,714, to McKenna Trucking Co., 3559 Holcomb Ave., Alley 2408 $3,114, to Otis Cement Constr. Co., 806 Hammond Bldg., Alley 2409 $2,655, Alley 2410 $2,328, Alley 2412 $1,126, Alley 2413 $957 Alley 2415 $1,455, Alley 2416 $1,493, Alley 2446 $2,689, Alley 2449 $1,748, Alley 2450 $1,269, and Alley 2451 $1,301, to C. W. Shepard Co., 213 State St., Alley 2411 $2,333, Alley 2442 $4,986, Alley 2447 $2,489, to C. L. Lincoln, 12337 Indiana Ave., Alley 2441 $7,493, Alley 2445 $3,151. Grand total $339,650. Noted Aug. 20.

Mich., Detroit — To Otis Cement Constr. Co., 806 Hammond Bldg., 6 in. concrete paving 1,590 sq.yd. Alley 2429 $3,773, 1,495 sq.yd. Alley 2431 $3,435, 845 sq.yd. Alley 2432 $2,058, 1,965 sq.yd. Alley 2433 $4,612, 958 sq.yd. Alley 2434 $2,295, 733 sq.yd. Alley 2436 $1,735, 610 sq.yd. Alley 2437 $1,482, 276 sq.yd. Alley 2439 $974, 258 sq.yd. Alley 2440, $734; to McKenna Trucking Co., 3559 Holcomb Ave., 1,495 ft. Alley 2430 $3,545, 603 sq.yd. Alley 2438 $1,503; to C. W. Shepard Co., 213 State St., 928 sq.yd. Alley 2435, $2,247. Grand total $28,393.

Ill., Cairo—Macadam surfacing, sewering, etc. Park Ave., to C. Bourgois, Cairo, $16,571. Noted Aug. 20.

Ill., Monroe — City, Franklin-Tremont Streets Paving Improvement, to Jansen & Schaffer, Pekin, $45,552.

Ill., Mt. Olive — City, Main St.-Poplar St. Paving Improvement, to Keeley Bros. Contg. Co., 21st and State Sts., East St. Louis, $54,569. Engrs. est. $61,878.

Ill., Joliet—Will Co., waterbound macadam surfacing 2.25 mi. Sect. N 15-D, Homer Twp., to J. M. Pierson & Co., Chicago Heights, $33,754; 2.01 mi. Sect. S-15-D, Wilton Twp., to Skinner & Eagles, Essex, $19,529; 2.03 mi., Sect. W-15-D, Peotone Twp., to W. Shenk, Wilmington, $20,844; 1.14 mi. Sect. V-15-D, Crete Twp., and 1.03 mi. Sect. X-1-15-D, Manhattan Twp., to Tim Bros., Manhattan, $17,855 and $11,873 respectively, all above 10 ft. wide with 10 ft. shoulders. Grand total $103,855.

Ill., Villa Grove—For 7 in. concrete surfacing Main, Oak and Vine Sts., to I. D. Lain, Bloomington, $73,275. Engrs. est. $87,641. Noted Sept. 17.

Ill., Wheaton—Warrenite bitulithic resurfacing 34,228 sq.yd. various streets in Dist. 4, to McCarthy Impvt. Co., Kahl Bldg., Davenport, Ia., $63,649. Noted Sept. 3.

Wisconsin—See "Bridges."

Ia., Essex—Grading, concrete surfacing, etc., 12 blocks various streets, to P. Nelson & Son, Council Bluffs, $30,891. Noted Sept. 17.

Ia., Oakland—Pottawattamie Co. (Council Bluffs), grading and concrete surfacing 8,046 sq.yd. Project 400, here, to J. Wickham Co., Council Bluffs.

Minn., Minneapolis—A. P. Erickson, aud. Hennipen Co., grading and monolithic culverts on 3.95 mi. Parkers Lake-Long Lake Rd., County Rd. 17, County Project 17, to J. J. and M. S. Mergens, 400 Temple Court, $20,714; iron culverts, to Klauer Mfg. Co., Dubuque, Ia., $549; and gravel surfacing, to F. G. Burns, 2213 Portland Ave., $8,390. Grand total $29,653. Noted Aug. 20.

Neb., Lincoln—To Cochrane Constr. Co., 822 1st Natl. Bank Bldg., asphaltic concrete paving 3,450 sq.yd. streets in Dist. 603 $11,096, to Abel Constr. Co., 318 Terminal Bldg., 15,000 sq.yd. in Dist. 612, $45,148; to Martin-Day Co., Lincoln, concrete paving 533 sq.yd., alleys in Dist. 156, $1,381; to Reimers-Kaufman Co., 12th and West Sts., brick paving 466 sq.yd. alleys in Dist. 125 $2,036, 233 sq.yd. alleys in Dist. 146 $1,105, 642 sq.yd. Dist. 5 $3,401, 500 sq.yd. in Dist. 8 $2,751, and 500 sq.yd. in Dist. 9, $2,711; also to J. L. Deffenbaugh, 2124 Smith St., 264 ft. 8 in. tile sewers in Dist. 273 $270, 753 ft. 8 in. tile sewers in Dist. 275 $565, and 1,210 ft. 4 and 6 in. c.i. mains in Dist. 91, $2,050; to Knudsen & Co., 1338 M St., 614 ft. 8 in. tile sewer in Dist. 283 $619 and 2,310 ft. 8 in. tile sewers in Dist. 286 $2,500. Grand total $75,633.

Neb., University Place—C. Gateq, city clk., grading, curbing, asphaltic concrete paving, etc., approximately 10,000 sq.yd. streets in Paving Dist. 24, to Abel Constr. Co., 318 Terminal Bldg., Lincoln. Engrs. est. $25,000.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project, and S. A. P. means State Aid Project)**, culverts on 12.88 mi. S. A. P. 118, Butte Co., 22,491 lb. reinforcing, etc., to E. B. Davis, Kadoka, $7,739; bridges on F. A. P. 181-D, Dewey Co., 19,012 lb. reinforcing, and 84,029 lb. structural steel, etc., to Willis Bonesteel, Wagner, $10,886, on F. A. P. 203-A, Chas. Mix Co., 23,460 lb. reinforcing, and 11,721 lb. structural steel, etc., to J. C. Sorenson, Trent, $11,994, on S. A. P. 119, Washington Co., to W. C. Hamblett, Sturgis, $7,755; guardrail in Sanborn Co., to H. G. Boocock, Faulkton, $362, in Buffalo, Jerauld, Lake and Spink Counties, to Miller Bryant, Garden City, $2,833, in Sanborn, Chas. Mix, Potter, Union, Lawrence and Meade Counties, to J. B. Skogland, Starbuck, Minn., $6,011. Grand total $47,580.

South Dakota—State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project, and S. A. P. means State Aid Project)**, to Tobin & Maloney, Madison, grading 13 mi. F. A. P. 188-E, Kingsbury Co., 74,854 cu.yd. common excav., etc. $28,749, 14.21 mi. F. A. P. 203-A, Chas. Mix Co., 2,836 cu.yd. loose rock excav., etc. $52,141, graveling 15.5 mi. F. A. P. 172-C, Walworth Co., 23,242 cu.yd. gravel, etc., $20,122; to Dowd Bros. Noonan & Hyde Co., Watertown, grading F. A. P. 199-A, Clark and Codington Counties, 137,312 cu.yd. common excav., $38,244; to England & England, Murdo, 1.49 mi. Missouri River Bridge Approach, on S. A. P. 127 and 128, Hughes and Stanley Counties, 83,711 cu.yd. common excav., etc., $25,900; to Minnehaha Co., Sioux Falls, graveling 1.09 mi. F. A. P. 135-B, Minnehaha Co., 1,693 cu.yd. gravel, etc. $1,785, to S. S. Roberts, Flandreau, 13.49 mi. F. A. P. 160, Brooklings and Moody Counties, 20,235 cu.yd. gravel, etc. $12,116, 6.59 mi. S. A. P. 116, Clay, Lincoln and Union Counties, 9,891 cu.yd. gravel, etc. $11,968, to R. L. Wiley, Summit, 17.97 mi. F. A. P. 172-B, Edmunds Co., 26,949 cu.yd. gravel, etc. $20,239. Grand total $211,264.

North Dakota — State Hy. Comn., Bismarck, **(F.A.P. means Federal Aid Project)** improving 8.054 mi. F.A.P. 260 A, Morton Co., grading, to Stevens Bros., St. Paul, Minn., $2,828, concrete, to H. Bellman, New Leipzig, $12,135; rein.-con. paving 9.372 mi. F.A.P. 251, Morton Co., to J. J. Rue & Sons, Bismarck, $2,797; surfacing, 6.006 mi. F.A.P. 101, Foster Co., to F. H. Reed, Ellendale, $6,816. Grand total $24,576. Noted July 2 and Aug. 6.

N. D., Fargo—Concrete paving and curbing 1 alley and 9th St. between 13th and 15th Aves., to W. E. Kennedy Co., 7 Bway., $25,190.

Missouri—State Hy. Dept., Jefferson City, to O. H. Schmidt, 3108 Jule St., St. Joseph, 30 ft. grading 0.229 mi. Gower-Grayson Rd., Clinton Co. $1,128, to Federal Bridge Co.,

Streets and Roads (Continued)

1002 B. T. Bldg., Des Moines, Ia., 0.322 mi. St. Clair-Gray Summit Rd., Franklin Co., $8,199, to Gaines Bros., Fairland, Okla., 13.674 mi. same road $96,453, to Schull & Melton, California, 4.783 mi. Conway-Lebanon Rd., Laclede Co. $22,042; to Pope Constr. Co., Jefferson City, grading and 18 ft. concrete paving 11.374 mi. Mineola-High School Rd., Montgomery Co. $292,939; to Zeigler Bros., Junction City, Kan., grading and 9 ft. concrete paving 14.998 mi. Excelsior Springs-Richmond Rd., Ray Co. $104,554, grading and 18 ft. concrete paving 3.339 mi. roads from Smithton east and west, Pettis Co. $48,870, 1.259 mi. roads from Nashua west and south, Clay Co. $13,707, 4.605 mi. roads from Fairview east and west, Platte Co. $53,967, to A. A. Davis & Co., & Yates Constr. Co., Oklahoma City, Okla., 2.87 mi. roads from Montserrat east and west $41,942, 3.617 mi. roads from Knobnoster east and west $40,589, 2.189 mi. Montserrat-Knobnoster Rd. $22,233, 2.727 mi. Warrensburg-Montserrat Rd. $45,845, all foregoing in Johnson Co., to A. A. Davis & Co. & E. J. Wells, Oklahoma City, Okla., 3.714 mi. Kansas City-Jefferson City Rd. $26,315, 14.318 mi. Kansas City-Lees Summit Rd. $218,730, both in Jackson Co., to Koss Constr. Co., Ft. Des Moines St., Des Moines, Ia., 10.574 mi. Lawrence Co. Line-Springfield Rd., Green Co. $214,122, 22.058 mi. Jasper Co. Line-Greene Co. Line Rd., Lawrence Co. $466,075, to W. A. Ross, Kansas City, 4.977 mi. road from Higginsville south, Lafayette Co. $58,253, to Smith Bros., Inc., Dallas, Tex., 12.768 mi. Marshall-Sedalia Rd., Saline Co. $202,939, 10.297 mi. Marshall-Sedalia Rd., Pettis Co. $226,992; to Regenhardt Constr. Co., Cape Girardeau, grading and 18 ft. concrete paving 3.743 mi. Lutesville-Advance Rd., Bollinger Co., $59,321; to R. L. Williams, Charleston, grading, 9 and 18 ft. concrete paving 3.939 mi. road from Charleston north, Mississippi Co. $56,111; to P. W. Fletcher, Hannibal, 18 ft. gravel surfacing 8.733 mi. Butler-Appleton City Rd., Bates Co. $38,047, to Cook & Waddell, Ottawa, Kan., 4.099 mi. Keytesville-Salisbury Rd., Chariton Co. $21,111, to R. P. Harpen Constr. Co., Chillicothe, 4.24 mi. Keytesville-Chariton Rd., Chariton Co. $34,519, to Thayer Constr. Co., Worthington, Minn., 4.812 mi. road from Shelbyville south, Shelby Co., $8,541; and to S. Henke, Jefferson City, 20 ft. gravel surfacing 1.026 mi. Loose Creek-Linn Rd., Osage Co., $2,922. Grand total $2,499,453. Noted Sept. 10.

Mo., Clinton — C. A. Calvird, city clk., improving Orchard and Main Sts., 6,105 sq.yd. 7 in. vibrated concrete and 1,701 sq.yd. concrete paving, 918 cu.yd. excav., 523 ft. curb and gutter, etc., to Reed, Wheelock, Clay Center, Kan., $31,304.

Mo., Kansas City—For 10 in. concrete paving Troost Ave. between 65th St. and point 180 ft. south of 79th St., to W. A. Ross, 1921 Bway., $151,699. Noted Sept. 17.

Mo., Springfield—Concrete paving, etc., 8,150 sq.yd. Lynn St., to Hedges Weeks Constr. Co., Holland Bldg. at $2.135 per sq.yd.; and 4,490 sq.yd. National Ave., to E. V. Koch, 426 North Moffett St., Joplin, $2.23, etc. Noted Aug. 27.

Tex., Childress — Brick paving 25,000 sq.yd. various streets, to Jordan Constr. Co., Plainview, $97,525.

Tex., Dallas—City, M. G. James, secy., sheet asphalt paving 9,000 sq.yd. Goodwin St. from Houston & Texas Central R.R. tracks to Worcola St., to Fuller Constr. Co., Fidelity Union Bldg., $25,778, also asphaltic macadam paving 18,000 sq.yd. Marlborough St. from 10th to Jim Town Sts., to Central Bitulithic Co., Praetorian Bldg., $51,215.

Tex., Harlingen — For 1 in. cold rolled rock asphalt surfacing various streets, to E. P. McElwrath, Corsicana, $22,521. Engrs. est. $25,000.

Tex., Iowa Park — Rein.-con. paving 6 blocks Cash and Hartdrive Sts., to Douglas & Mitchell, Ward Bldg., Wichita Falls, $45,000. Engrs. est. about $45,000.

Tex., Memphis — Hall Co., grading and bridging 11.57 mi. State Highway 5, Federal Aid Project 438-F, 26 ft., from McClung Constr. Co., Cleburne, $63,792. Engrs. est. $70,000.

Tex., Plainview—Hale Co., brick paving approximately 25,000 sq.yd. various streets, to Jordan Constr. Co., Plainview, $97,525. Engrs. est. $100,000.

Tex., San Antonio — Bexar Co., 1 in. natural rock asphalt topping 74,455 sq.yd. Somerset and Palo Alto Rds., to Colglazier & Hoff, 922 Austin St., $0.54½ sq.yd. Noted Aug. 20.

Okla., Guthrie — Grading, curbing and vertical fibre brick surfacing 1,000 sq.yd. and concrete surfacing 4,700 sq.yd. Cleveland, Drexal, Oklahoma and 11th Sts., to B. Brooks, Tonkaw, $31,188. Engrs. est. $32,167. Noted Sept. 3.

Washington—State Hy. Dept., Olympia, clearing, grading, etc. approximately 4.94 mi. State Rd. 1, King Co., and 7.45 mi. State Rd. 21, Kitsap Co., to F. McLelland, 1720 16th St., Seattle, $86,511 and $74,463 respectively; gravel surfacing, etc. 2.81 mi. State Rd. 9, Jefferson Co., to K. L. Goulter & Co., 607 Cherry St., Port Angeles, $77,227. Grand total $238,201.

Wash., Shelton—City Clerk, 6 in. concrete paving 17,500 sq.yd. Main St. et al., to Shelton Paving Co., Shelton, at $1.80 per sq.yd., total $57,232.

Oregon — State Hy. Dept., Salem, to Baker Scharschmuth Co., Baker, improving 6.15 mi. Roosevelt Highway, Lane Co., 95,000 cu.yd. excav. at $0.245 per cu.yd., 53,000 sta.yd. overhaul $0.02, 13,500 cu.yd. clay surfacing, etc. $1.50, total $55,732; to Ryberg McHugh Co., Boise, Idaho, improving 12.45 mi. Baker-Unity Highway, Baker Co., 47,300 cu.yd. earth excav. $0.25, 65,300 cu.yd. loose rock excav. $0.45, 65,400 cu.yd. solid rock excav. $0.95, 80,000 ft. lumber, etc. $45, total $130,764.

New Mexico—State Hy. Dept., Santa Fe, to Veater, Davis Amesburg & Dudley, El Paso, Tex., grading and one course gravel surfacing 4.696 mi. Federal Aid Project 121-A, Cocoro Co. $99,824, 12.06 mi. Ellwood-Alvarado Rd., Federal Aid Project 106-B, Otera Co., $119,295; and grading, bridging and gravel surfacing 17.02 mi. Carlsbad-Malaga Rd., Federal Aid Project 131-A, Eddy Co. $109,021. Grand total $328,140. Noted July 16.

Calif., Chico—Paving approximately 63 streest, south of 5th St. and east of Main St., to J. E. Johnson, Stockton, $195,600. Noted July 30.

Que., Montreal—City, 125,000 cu.ft. curbstone, to Western Constr. Co., 28 Royal Ave., $87,186; also 200,000 gal. oil for use in asphalt plant, to J. Elie, 392 Hibernia Rd., $25,000.

Ont., Fort Erie—Curbing, guttering and asphalt on concrete paving 20,000 sq.yd. various streets, to Brennan Paving Co., 400 Gage Ave. N., Hamilton, $86,000. Engrs. est. $80,000.

Ont., Toronto—To Grant Contg. Co. Ltd., 47 Wellington St. E., asphalt and concrete paving Woburn Ave. $14,096, Bedford Park Ave. $14,023, Burnaby Blvd. $2,461, Willowbank Blvd. $3,096, and Oriole Parkway $3,116. Grand total $36,792.

Ont., Toronto—York Twp., curbing, guttering and bitulithic concrete paving Vaughan Rd., to Warren Bituminous Paving Co. of Ontario, 54 University Ave. $180,253.

Ont., Weston — Curbing, guttering and bituminous penetration paving 10,000 sq.yd. Queens Dr., King, Pine and John Sts. to Constructing & Paving Co., Ltd., Confederation Life Bldg., Toronto, $49,018.

Buildings—Industrial

PROPOSED WORK

Mass., Gardner—REPAIR and SERVICE—S. Bajonski, having plans prepared by A. J. Smith, 142 Lunenberg St., Fitchburg, 2 story, 85 x 100 ft., rein.-con., brick and steel. $85,000.

Mass., Watertown—PLANT—Amer. Soda Fountain Co., 282 Congress St., Boston, having preliminary plans prepared brick factory, here. To exceed $40,000. Monks & Johnson, 99 Chauncy St., Boston, engrs.

N. J., Lambertville — PAPER PLANT — Poquonock Bag & Paper Co., plans plant, $100,000. Engineer and architect not selected.

Pa., Homestead—STORAGE—Carnegie Steel Co., Carnegie Bldg., Pittsburgh, having plans prepared 1 story, 50 x 110 ft., steel and concrete, here. $150,000. Carnegie Land Co., Frick Annex, Pittsburgh, engrs. Noted June 11.

Pa., New Brighton — FACTORY — Standard Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, takes bids about Sept. 26, 4 story and basement, 50 x 95 ft., rein.-con. and steel addition. B. H. Prack, Martin Bldg., Pittsburgh, engr. Noted Aug. 27.

N. C., Charlotte — POWER PLANT — Southern Power Co., 432 South Church St., plans 80,000 hp. emergency steam power plant, probably on Catawba River. W. S. Lee, 433 East Morehead St., Charlotte, engr.

N. C., Morganton — FACTORY — Table Rock Furniture Co., plans new factory. $200,000.

La., New Orleans—SAW MILL—Higgins Lumber & Export Co., Maison Blanche Annex, plans saw mill for mahogany and pine wood, and later cypress mill, on Navigation Canal.

La., New Orleans—PLANT—Lukens Steel Co., 626 South Peter St., plans enlarging plant, on 10 acre site, on Navigation Canal.

O., Alliance—FACTORY—Alliance Steel Products plans 1 story, 70 x 100 ft., steel, northeast of here, on New York Central R.R. tracks. $50,000.

O., Amherst — STONE MILL—Cleveland Stone Co., C. W. Walters, pres., Union Trust Bldg., having plans prepared by G. S. Rider & Co., Century Bldg., Cleveland, 1 story stone mill, steel. $75,000.

O., Cleveland — GARAGE and WAREHOUSE — City, H. C. Wright, dir. Pub. Utilities, City Hall, having plans prepared by H. Kregelius, 604 City Hall, 2 story and basement, brick and rein.-con., 2490 West 41st St. $100,000.

O., Coshocton — FACTORY — Beach Enameling Co., had plans prepared 1 story, 60 x 146 ft. addition. $55,000. Private plans.

Mich., Detroit — FACTORY — Ford Motor Co., Highland Park, having plans prepared by A. Kahn, 1000 Marquette Bldg., 3 story, 67 x 851 ft., rein.-con. and brick addition, to "Lincoln" auto plant, plain foundation, Livernois Ave.

Mich., Detroit—STOCK BUILDING, etc.—Hudson Motor Car Co., East Jefferson Ave., having plans prepared by A. Kahn, 1000 Marquette Bldg., 1 story, 157 x 239 ft. addition to auto plant incl. addition to stock building and craneway, Jefferson Ave. $50,000.

Ill., Centralia — FACTORY — St. Clair Fdry. Co. making preliminary plans 1 and 2 story, brick and concrete foundry. $40,000.

Ill., Elgin—FACTORY—Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, take bids about Oct. 1, 1 and 2 story and basement, 65 x 300 ft., rein.-con. and brick addition, for Elgin Clock Co., $150,000.

Ill., Woodriver—REFINERY—Standard Oil Co. of Indiana, C. B. Manbeck, gen. mgr., soon takes bids 6 units of Holmes-Manley pressure pipe stills and additions to paraffin factory. $1,250,000.

Tex., Dallas — CLEANING PLANT — Oriental Rug & Carpet Cleaning Co. c/o H. M. Amirkham, 3907 Ross Ave., having plans prepared by Sadler & Russell, 507 Melba Bldg., 1 story, 38 x 99 ft. to carry 1 additional story and 2 story, 22 x 74 ft., brick or tile and rein.-con. $45,000.

Tex., Luling—POWER PLANT—United North & South Oil Co., plans power plant and generate own electricity, etc. $500,000. Private plans.

Okla., Ponca City—BOILER PLANT—Marland Oil Co., W. Marland, pres., Lewis St. and Frisco R.R. tracks, Tulsa, plans new boiler plant, 4 additional 550 hp. water tube boiler addition to water feed plant, 30,000 gal. settling tank and 2 additional filters. $250,000.

Okla., Tonkawa — PLANT — City having preliminary plans prepared (3 unit), 1,000 hp. Diesel oil engine electric light plant. $150,000. Engineer and architect not selected.

Calif., Los Angeles — MILL and FACTORY—J. H. Jonas, 5841 Park Ave., had plans prepared by Stromwell & Halperin, 1007 South Grand Ave., 5 story 100 x 200 ft. factory, 2 story 100 x 180 ft. mill, and 1 story, 50 x 80 ft. store building, all rein.-con. and brick, 5843 Park Ave. $325,000.

BIDS DESIRED

Mass., Andover—REPAIR and SERVICE—See "Contracts Awarded."

Mass., Belmont (Boston P. O.) — SUBSTATION—R. T. Broderick, ch. Bd. Selectmen, taking bids 2 story and basement, 35 x 45 ft. electric sub-station rein.-con. and brick, $75,000. F. B. Galaher, 276 Stuart St., Boston, engr. Noted Sept. 17.

Mass., Lawrence—REPAIR SHOP—O. F. Kres Co., 102 Concord St., taking bids 1 story, rein.-con. and brick, Concord St. $40,000. Ashton, Huntress & Alter, 477 Essex St., archts.

Mass., Woburn—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

R. I., Providence — REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Ga., Savannah — STORAGE WAREHOUSE—See "Contracts Awarded."

O., Ashtabula — FACTORY — Ashtabula Bow Socket Co., taking bids 1 story and basement, 40 x 100 ft., brick and steel factory. $40,000. Private plans.

Kan., Wichita—ICE PLANT—See "Contracts Awarded."

BIDS RECEIVED

O., Findlay—FACTORY—Bucke, Traction Ditches Co., 1 story and basement, 120 x 141 ft. factory, from Alge Bros. Co., Ewing Bldg., about $41,000.

CONTRACTS AWARDED

Mass., Andover—REPAIR and SERVICE GARAGE—J. F. McDonough, 32 Park St., will build 1 story, rein.-con. and brick, by day labor. $100,000. H. Petzol, Bay State Bldg., Lawrence, archt.

Buildings—Industrial (Continued)

Mass., Cambridge (Boston P. O.) — REPAIR and SERVICE GARAGE—J. B. Johnson, Rindge Ave., 1 story, 75 x 100 ft., rein.-con., to Patterson & Fox, 251 Portland St. Archts. est. $75,000.

Mass., Dorchester (Boston P. O.) — REPAIR and SERVICE GARAGE—Dept. Pub. Wks., Boston, 1 story, rein.-con., brick and stone, Hancock St., here, to J. A. Singerella, 110 High St., Boston, $49,250. Noted Aug. 20.

Mass., Everett (Boston P. O.)—PLANT—Jackson Door & Window Co., 95 Canal St., Boston, altering and constructing 2 story, rein.-con. and steel addition, to Clark & Lee Co., 77 Summer St., Boston. Archts. est. $40,000. Noted Sept. 3.

Mass., Woburn—REPAIR and SERVICE GARAGE — Woburn Development Co., 246 Washington St., Boston, will build 1 story, 83 x 204 ft., rein.-con. and brick. $75,000. Work will be done by separate contracts. S. S. Levy, 35 Court St., Boston, archt.

R. I., Providence — REPAIR and SERVICE GARAGE — S. Gordon Melrose and Thackley Sts., will build 1 story, rein.-con. by day labor. $50,000.

Conn., Bristol — FACTORY — Root Co., Church St. extension, 4 story, 55 x 125 ft., brick and steel addition, to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $125,000. Noted Sept. 17.

N. Y., Brooklyn—PACKING HOUSE—H. C. Bohack, Inc., Metropolitan Ave., rein.-con., brick and steel, plain foundation, to E. T. Warwick, 108 South 8th St. Archts. est. $350,000.

N. J., Jersey City — FACTORY — Manhattan Electrical Supply Co., 17 Park Pl., New York City, 6 story, rein.-con., brick and steel, plain foundation, Monitor St., to J. Mitchell, Inc., 999 Bergen Ave.

Pa., Latrobe—STEEL PLANT—Latrobe Electric Steel Co., general contract 1 story, 60 x 400 ft. addition, to Fort Pitt Bridge Wks., Oliver Bldg., Pittsburgh. Archts. est. $100,000. This corrects report in Sept. 17 issue.

Pa., Nazareth—FOUNDRY—Bates Valve Bag Co., 8200 South Chicago Ave., Chicago, Ill., 1 story, 90 x 200 ft., brick, here, to Hughes-Foulkrod Co., 421 7th Ave., Pittsburgh, $50,000.

Pa., Parnassus—DAIRY PLANT—Keystone Dairy Co., general contract 1 story and basement, 45 x 120 ft., 6th Ave., to Croyle & Beck, New Kensington. Archts. est. $40,000.

Pa., Phila. — MANUFACTURING — Heintz Mfg. Co., Front and Olney Sts., 3 story and basement, 70 x 200 ft., rein.-con. and brick addition, plain foundation, here, to F. Newberry Co., Otis Bldg.

La., Shreveport—ROUNDHOUSE—Texas & Pacific Ry., E. F. Mitchell, ch. engr., 1003 Texas & Pacific Bldg., Dallas, Tex., 8 stall roundhouse, machine and blacksmith shops, car repair sheds, office, etc., here, to V. E. Ware, 1614 East Missouri St., El Paso, Tex. Engrs. est. $200,000. Noted July 16.

Ga., Savannah — STORAGE WAREHOUSE — Savannah Sugar Refining Co., Port Wentworth, will build 2 and 3 story, 120 x 260 ft., rein.-con and steel storage warehouse, plain foundation, by day labor. $60,000. B. O. Sprague, 105 E. 37th St., archt. and engr. Noted Aug. 27.

Tenn., Chattanooga — FOUNDRY, etc. — Crane Enamelware Co., 1316 Chestnut St., 180 x 228 ft. foundry, and 60 x 360 ft. grinding building, at plant, to Moudy & Co., James Bldg. Archts. est. $750,000. Noted Aug. 27.

O., Lorain—FACTORY—J. Spang Bakery Co., J. Spang, pres., 2701 Barber Ave., Cleveland, 1 story, 70 x 100 ft., brick and steel, to L. A. Burgett Co., Lorain. Archts. est. $40,000. Noted Sept. 3.

Ill., Rockford—FACTORY—Howard Banner Co., general contract 2 story and part basement, 46 x 151 ft., brick and flat slab, to Security Building Corp., 1016 Charles St., Rockford, $31,000.

Wis., Ashland — PAPER MILL — Lake Superior Paper Co., R. Meyer, mgr., remodeling 2 story paper mill, brick and concrete, to Fluor Bros. Constr. Co., 52 Otter St., Oshkosh. Archts. est. $45,000.

Wis., Milwaukee — FACTORY — W. H. Devos Co., 3115 Auer Ave., 2 story, 40 x 75 ft., and 20 x 50 ft., rein.-con., plain foundation, Auer Ave., to H. R. Mayer, 1279 36th St. Archts. est. $25,000.

Wis., Pardeeville — CANNERY—Pardeeville Canning Co., 1 story, 50 x 160 ft., brick and tile, plain foundation, to J. C. Dreblow, Pardeeville. Archts. est. $40,000.

Wis., Milwaukee — COLD STORAGE — Dick & Bauer, archts., 811 State St., 1 story and basement, 52 x 100 ft., rein.-con. and brick, plain foundation, 5th St., to Jahns & Knuth Co., 1915 Chestnut St., for Fiebrantz Comn. Co., 370 5th St. Archts. est. $40,000. Noted Sept. 3.

Ia., Burlington—POWER PLANT—Iowa Southern Utilities Co., Centerville, rein.-con. and brick power plant, here, to Nebergall & Sons, Burlington. Engrs. est. $200,000.

Minn., Minneapolis—BUTTER FACTORY—Northwestern Terminal Co., 1232 1st Natl. Soo Line Bldg., general contract 2 story and basement, 100 x 400 ft., rein.-con., brick and stone, Terminal Dist., to Pike & Cook, 416 South 5th St. Archts. total cost about $300,000. Minnesota Co-operative Creamery Assn., Hampden Ave. and Charles St., St. Paul, lessee. Noted July 30.

Kan., Leavenworth — FACTORY—Abernathy Furniture Co., 1513 West 9th St., Kansas City, Mo., 4 story and part basement, 80 x 300 ft., rein.-con., brick and steel factory, 53 x 103 ft. fire-proof power house, compartment dry kiln and lumber sheds, to J. G. Barnes, Leavenworth.

Kan., Wichita — ICE PLANT etc. — Independent Ice & Cold Storage Co., 434 North Wichita St., will alter present buildings into 60 x 110 ft. ice and cold storage plant 30 ft. high, brick and steel, and 1 story, 60 x 110 ft., cement stone machinery plant, Central and Missouri Pacific, by day labor. Private plans.

Mo., St. Louis — MEDICINE PLANT — J. H. McLean Medical Co., 3120 Franklin Ave., 2 story and basement, 35 x 135 ft., brick and concrete addition, to Chapline Constr. Co., Wainwright Bldg. Archts. est. $50,000.

Mo., Warrensburg — COLD STORAGE PLANT — Roseland Farm & Mfg. Co., 2 story, rein.-con. and brick, to C. L. Johnson, Warrensburg. Archts. est. $45,000. Noted Aug. 6.

Calif., Los Angeles—CREAMERY—Sanitary Gold Metal Creamery, 142 East Jefferson St., 3 story, 130 x 140 ft., rein.-con., 103 South Hamel St., to M. H. Foley, 946 Windsor Blvd., $90,000.

Ont., Campbellford — Quinte & Trent Valley Power Co., general contract 1,000 hp. single vertical unit hydro-electric plant, to J. J. McNab, Trenton; for 900 kva. generator, to Swedish Genl. Electric Co., 107 Duke St., Toronto, Ont.; 1,000 hp. turbine, to W. Hamilton Co., Ltd., Peterborough. Engrs. est. $100,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston — THEATER — I. Sonnabend, 213 Hanover St., having plans prepared by J. A. Tuck, 439 Park Sq. Bldg., 1 story, 100 x 125 ft., brick and cast stone, Hanover St. $150,000.

Mass., Brookline (br. of Boston) — APARTMENT — Eleven-Ninety Beacon St. Trust, c/o C. Newhall, 73 Tremont St., Boston, having plans prepared by H. A. Perkins, 5 Joy St., Boston, 8 story and basement, 28 x 160 ft., brick and steel apartment, here. $250,000.

Mass., Cambridge (Boston P. O.) — BANK and OFFICE—Central Trust Co., W. G. Davis, pres., 599 Massachusetts Ave., having sketches made by Monks & Johnson, 99 Chauncy St., Boston, 5 story and basement, brick and stone, 513 Massachusetts Ave. $750,000. Noted April 23.

Mass., East Boston (Boston P. O.) — ARMORY—State Armory Comn., Boston, plans armory, here. To exceed $150,000. Engineer and architect not selected.

Mass., Lowell—STORE—E. A. J. Simpson, 238 Central St., having preliminary plans prepared by H. P. Graves, Washington Bank Bldg., 5 story and basement, 65 x 200 ft., brick, Central St. $350,000.

Mass., Roxbury (Boston P. O.) — HOSPITAL — Beth Israel Hospital, 45 Towsend St., having plans prepared by Densmore, LeClear & Robbins, Park Sq. Bldg., Boston, Ward Building, 7 story and basement, 42 x 186 ft., brick and limestone, Brookline Ave. To exceed $150,000.

Mass., Worcester—NURSES HOME—Worcester Memorial Hospital having plans prepared by Fuller & Delano, archts., 44 Front St., and Kendall Taylor Co., consult. archts., 142 Berkeley St., Boston, 4 story, brick and steel, Belmont St. $150,000.

R. I., Providence—BUSINESS—Bodell & Co., 10 Weybosset St., having preliminary plans prepared by Jackson, Robertson & Adams, 1216 Turks Head Bldg., remodeling building at 26 Custom House St. $150,000.

R. I., Providence — STORE and BANK BUILDING — R. M. Dobbins, Natl. Union Bldg., having sketches made by T. J. H. Pierce, Inc., 30 Allens Ave., 2 story and basement, 60 x 80 ft., and 50 x 80 ft., brick, store and bank building. $150,000.

R. I., Providence—THEATRE, etc.—J. Conn, Conn's Theatre, Weybosset St., having plans prepared by J. Hill Pierce, Inc., 30 Allens Ave., brick and steel theatre, business building and 125 car garage. $500,000. Former bids rejected. Noted Sept. 17.

Conn., Hartford—CLUB HOUSE—Hartford Saengerbund, c/o P. Stoeckel, Pres., Wells St., plans 2 or 3 story, brick, Washington St. $150,000 or more. G. Zunner, 182 High St., archt.

Conn., Manchester — APARTMENT — Richards & Anderson, South Manchester, having plans prepared by Smith & Bassette, 36 Pearl St., 3 story and basement, 70 x 110 ft., Park St. $150,000.

N. Y., New York — APARTMENT — Owner, c/o G. Nordham, archt. and engr., 18 West 34th St., having plans prepared 6 story, brick, steel and stone, plain foundation, 204th St. and Nagle Ave. $400,000.

N. Y., New York — CLUBHOUSE — Natl Town & Country Club, 17 East 42nd St., soon takes bids 26 story clubhouse, Lexington Ave. and 48th St. $6,000,000. G. B. Post & Sons, 101 Park Ave., archts. and engrs. Noted Nov. 20.

N. Y., New York—THEATRE and OFFICE—F. Ziegfeld & W. R. Hearst, 214 West 42nd St., soon take bids brick, steel and stone, plain foundation, 8th Ave. and 56th St. $2,000,000. T. W. Lamb, 644 8th Ave., archt.

Pa., Pittsburgh — Y. M. C. A., Magee Bldg., having plans prepared by R. M. Trimble, Ferguson Bldg., 4½ story and basement, 60 x 170 ft., brick and steel, North Ave. and Monterey St. $250,000. Noted Apr. 23.

Md., Baltimore—CLUB—City Club, c/o J. M. Chapman, pres., Southern Hotel, having plans prepared by C. N. and N. Fritz, Lexington Bldg., 6 story and basement, brick, plain foundation, St. Paul and Saratoga Sts. $400,000. H. F. Doeleman, 507 North Charles St., engr.

N. C., Charlotte—BANK and STORE—Lockwood, Greene & Co., engrs., Piedmont Bldg., Charlotte, and 24 Federal St., Boston, Mass., soon takes bids 20 story bank and office building, here, for First Natl. Bank, 20 South Tyron St. $1,000,000. L. F. Ashbury, Charlotte, associated archt. Noted Apr. 9.

La., New Orleans—THEATRE—Saenger Amusement Co., Tulane and Liberty Sts., having plans prepared by E. Weil, archt. and engr., Whitney Bldg., 2 story and basement, brick, stone and rein.-con., plain foundation, Canal and Rampart Sts. $2,000,000.

La., Shreveport—APARTMENT—Wittenberg, Deloney & Watts, Southern Trust Bldg., Little Rock, Ark., postponed indefinitely construction 7 story and basement apartment, Elizabeth Pl. and Margaret St., here. $500,000. Noted May 14.

Tenn., Knoxville — HOTEL — Dooley-Gillespie Realty Co., Deaderick Bldg., had preliminary plans prepared by A. B. Bauman, Chattanooga, for Tennessee Terrace Hotel, 17 story. $1,500,000.

O., Cincinnati — HOSPITAL — Deaconers Hospital, Clifton Ave., having plans prepared by S. Hannaford & Sons, 1024 Dixie Terminal Bldg., 4 story and 2 basements, 80 x 100 ft., rein.-con. and brick, plain foundation, Clifton Ave. $300,000.

O., Cleveland—APARTMENT HOTEL—M. Arnoff, 420 Leader News Bldg., had plans prepared by G. Rudolph, 3922 Trumbull Ave., 6 story and basement, 70 x 170 ft., brick and concrete, East 86th St. and Euclid Ave. $400,000.

O., Cleveland — CLUB HOUSE and APARTMENT—Republican Womens Club of Ohio, c/o S. M. Jacobi, Statler Hotel, having plans prepared by W. S. Ferguson Co., 1900 Euclid Ave., 4 story and basement, brick, East 93rd St. and Euclid Ave. $200,000.

O., Columbus — RESTAURANT and STORE ROOM—M. Love Co., 112 East Broad St., having plans prepared by Howell & Thomas, 4500 Euclid Ave., Cleveland, 2 story and basement, 61 x 187 ft., brick, steel and concrete, East Broad St. $175,000.

Mich., Detroit — LODGE — Detroit Elks Building Assn., J. Boner, chn. building com., Lafayette Bldg., soon takes bids 5 story, 130 x 160 ft., brick, steel and concrete club and temple, Lafayette Blvd. $1,500,000. Weston & Ellington. 1507 Storh Bldg., archts.

Mich., Negaunee — COMMUNITY — Defeated $150,000 bonds, erecting new community house or remodeling present one. Noted Aug. 27.

Ill., Champaign — APARTMENT — G. J. Gallivan, c/o O. K. Burton & Co., 612 East Green St., plans 3 story and basement, rein.-con., brick and stone apartment building.

Ill., Chicago—CLUB—Midland Club, 25 East Jackson Blvd., receiving competitive plans 25 story, basement and sub-basement, 90 x 189 ft., rein.-con., brick and steel, caisson foundation, 168-178 West Adams St. $4,000,000-$4,500,000. Noted Apr. 2.

Buildings—Commercial (Continued)

Ill., Chicago—HOTEL and CLUB—Hall, Lawrence, Ribbel & Ratcliffe, archts., 123 West Madison St., take bids about Jan. 1. 14 story and basement, 127 x 180 ft., rein.-con. and brick, Stoney Island Ave. and Marquette Rd., for Calumet Building Corp., representing Calumet Council Knights of Columbus, 6302 Cottage Grove Ave. $2,750,000.

Ill., Itasca — CLUB — Nordic Country Club, having plans prepared by Hall, Lawrence, Rippal & Ratcliffe, 123 West Madison St., 2 story and basement, 56 x 210 ft., brick, plain foundation. $175,000.

Mo., St. Louis—APARTMENT—Housam Realty Co., International Life Bldg., takes bids about Nov. 1, 6 story and basement, 52 x 100 ft., rein.-con., brick and stone, McPherson and DeBalliviere Sts. $250,000. N. B. Howard, International Life Bldg., archt.

Mo., St. Louis—HOSPITAL—St. Louis Maternity Hospital, 4518 Washington Blvd., soon takes bids 8 story and basement, rein.-con., brick and stone, Kingshighway. $500,000. LeBeaume & Klein, Compton Bldg., archts.

Mo., St. Louis—OFFICE and THEATRE—Local Syndicate, c/o Weisels Gerhart Real Estate Co., 8 Chestnut St., purchased site and plans 20 story and basement, 109 x 120 ft., rein.-con., brick, stone and steel, caisson foundation, 11th and Pine Sts. $5,000,000.

Wash., Seattle — THEATRE — F. J. Peters, archt., Pantages Bldg., takes bids about Nov. 8, 100 x 354 ft., Spanish design, concrete, steel and stucco, Bway. and Harrison St., for Greater Theatres Co., Pantages Bldg. $500,000. Noted June 25.

BIDS DESIRED

Mass., Brookline (Boston P. O.) — APARTMENTS—See "Contracts Awarded."

Mass., Cambridge (Boston P. O.) — APARTMENT—Wendell Gardens Court, Inc., c/o Derby & Robinson, archts., 5 Joy St., Boston, taking bids 4 story and basement, 90 x 120 ft., brick and stone, 12 Weddell St. $250,000. Noted Sept. 3.

Mass., Lawrence—MERCANTILE—See "Contracts Awarded."

Mass., Lynn—TEMPLE—Temple Bethel, H. Yozel, pres., c/o G. A. Cornet, archt., 10 Central Ave., taking bids 1 story and basement, 65 x 80 ft., brick and stone, Breed and Lewis Sts. $150,000.

Mass., Waltham—STORE and OFFICE—See "Contracts Awarded."

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., North Tarrytown (Ind. br. Tarrytown)—BATH HOUSE—Oct. 6, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, bath house at Kingsland Point, here. J. Downer, ch. engr.; adv. E. N.-R. Sept. 24.

N. J., Atlantic City—HOTEL—Sept. 25, by W. M. Stanton, archt., 1524 Chestnut St., Phila., Pa., 7 story, 50 x 50 ft., brick and steel addition, plain foundation, here, for H. S. Hamilton, Pacific St. and Park Pl.

N. J., New Brunswick—CITY HALL—Oct. 6, by City Comn., 2 story, 101 x 225 ft., brick, stone and steel city hall. A. Merchant, W. H. Boylan & H. G. Bach, Elm Row, archts.

Pa., Phila.—BANK and OFFICE—See "Contracts Awarded."

Ala., Mobile—THEATRE—Sept. 29 (extended date), by E. Weil, archt., Whitney Bldg., New Orleans, La., 1 story and balcony, 3,500 seating capaciyt, rein.-con. and steel, here, for Saenger Amusement Co. $750,000. Noted Sept. 10.

La., New Orleans—OFFICE, etc.—Sept. 28, by R. Debuys, archt. associated with J. G. Landry & A. Theard, archts., Hibernia Bank Bldg., 3 story, rein.-con., brick and terra cotta office and filling station, St. Charles St. and Lee Circle, for Texas Oil Co., Whitney Bldg.

Ill., Evanston—APARTMENT—See "Contracts Awarded."

Ill., Evanston—TEMPLE—Oct. 1, by Holabird & Roche, archts., 104 South Michigan Ave., Chicago, 2 story, 70 x 150 ft., Bedford stone, plain foundation, Lake St. and Maple Ave., here, for Masonic Lodge of Evanston. $400,000.

Kan., Ft. Scott—TEMPLE—Sept. 29, by Scottish Rite Masons, c/o W. Buzzard, secy., 3 story and basement, 100 x 120 ft., rein.-con., brick and stone. W. T. Schmidt, 1634 West 10th St., archt. Noted May 5.

Mo., Springfield—THEATRE—See "Contracts Awarded."

Tex., Falfurrias—BUSINESS—See "Contracts Awarded."

Calif., Richmond—HOTEL—Sept. 30, by J. W. Plachek, archt., Mercantile Trust Co., Berkeley, 5 story hotel, Nevin Ave. and 10th St. $200,000. Owner's name withheld.

BIDS RECEIVED

Mass., Waltham—CITY HALL—City, H. T. Beale, mayor, 2 story and basement, 65 x 105 ft., limestone and granite, Common St., from J. M. Hartwell, 46 Cornhill St., Boston, $249,545. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts. Noted Aug. 27.

Mass., Worcester—HOSPITAL—W. A. Merrill, bus. agt., 1 story and basement, 40 x 80 x 96 x 150 ft., brick and stone, dining room addition to State Hospital for Mental Diseases, Summer St., from Fuller Constr. Co., 31 Milk St., Boston, $145,550. Noted Sept. 10.

N. Y., Skillman—STAFF HOUSE, etc.—Dept. Institutions & Agencies, Trenton, Sept. 14, 30 x 107 ft. staff house, 30 x 91 ft. nurses home, 29 x 38 ft. doctors home, and repairing 3 cottages, at New Jersey Village for Epileptics, here, from C. J. Smith Constr. Co., 3204 Academy St., Trenton, $250,000.

N. J., Trenton — INFIRMARY and RECEPTION — State Home, 3 story and basement, brick and steel, general contract reception building, from T. M. Day & Son, Day Bldg., $103,157; general contract for infirmary, from C. J. Smith Constr. Co., 204 Academy St., $49,208.

N. J., Westfield—ARMORY—State Military Bd., Trenton, 22 x 140 ft., brick and steel armory, here, general contract from Sobray & Whitcomb, 105 West 40th St., New York City, $143,011. Archts. est. $164,524.

Wis., Milwaukee — HOSPITAL — Dept. Pub. Wks., 2 story and basement, 45 x 270 ft., brick and concrete addition, Mitchell Ave., masonry and concrete work from Universal Contg. Co., 915 Chestnut St., $43,677; carpentry work, from C. Luenzmann, 629 51st., $25,775. Noted Sept. 3.

Mo., St. Louis — MORGUE — Bd. Pub. Serv., 208 City Hall, Sept. 15, 1 and 2 story, 88 x 130 ft., rein.-con., brick and stone, Clark Ave., from W. Mac Donald Constr. Co., Syndicate Trust Bldg., $239,246. Noted Aug. 20.

Calif., Norwalk—HOSPITAL—State Dept. Pub. Wks., Sacramento, general contract Receiving and Treatment Buliding, at state hospital, here, from Witt & Chute, 2516 West Santa Barbara Ave., Los Angeles, $146,287; mechanical work, from Latourette-Fical Co., 2612 9th St., $27,000. Noted July 2.

CONTRACTS AWARDED

Mass., Brookline (Boston P. O.) — APARTMENTS—E. Kaplan, 1140 Commonwealth Ave., will build two 3 story and basement, brick and stone, Winchester St., by day labor, under supervision of Silverman, Brown & Heenan, archts., 51 Cornhill St., Boston. $150,000.

Mass., Cambridge (Boston P. O.) — THEATRE—College House Trust, c/o C. A. Newhall, 73 Tremont St., Boston, 1 story, 50 x 100 ft., brick and stone, plain foundation, Harvard Sq., to J. M. and C. J. Buckley Co., Inc., 164 Federal St., Boston. Archts. est. $150,000. Noted Aug. 6.

Mass., Lawrence — MERCANTILE — Franklin Associates, c/o Ashton, Huntress & Alter, archts., 477 Essex St., will build 4 story and basement, brick and steel, Essex St. $150,000. Work will be done by separate contracts.

Mass., Waltham (Ind. br. of Boston) — STORE and OFFICE—Green Bros., 31 Hazelton St., Dorchester, will build 2 story and basement, 80 x 100 ft., brick and cast stone, here, by day labor. $150,000. S. S. Levy, 35 Court St., Boston, archt.

Mass., Waltham (Ind. br. Boston) — MUNICIPAL—City, H. T. Beale, mayor, 2 story and basement, 75 x 105 ft., brick and steel, Main and Elm Sts., to J. M. Hartwell, 46 Cornhill St., Boston, $249,545.

Mass., Worcester—BUSINESS—H. Steinberg, c/o E. W. Norton, archt., 44 Pearl St., 4 story, 68 x 100 ft., brick and steel, Elm St., to H. Wales Lines Co., 134 State St., Meriden, Conn. Archts. est. $150,000. Noted Apr. 30.

Mass., Worcester — THEATRE and OFFICE — B. I. Coonen, 6 Tahanto Rd., 1 and 2 story and basement, brick and stone, Franklin and Porter Sts., to Central Building Co., 58 Front St. Archts. est. $150,000. Noted Aug. 6.

Conn., New Haven — THEATRE — Yale University, G. P. Baker, professor, 2 story, brick and steel theatre, to Sperry & Treat Co., 30 Church St. Archts. est. $1,000,000. Noted April 9.

N. Y., New York — APARTMENT — J. Kovacs, c/o Margon & Glaser, archts., 2804 3rd Ave., brick, steel and stone, plain foundation, 10 West 47th St., to Shroder & Koppel, 347 Madison Ave. Archts. est. $400,000.

N. Y., New York—APARTMENT—J. F. Faiella, 155 West 72nd St., will build 16 story, brick, steel and stone, plain foundation, 1021 6th Ave. $1,000,000. Work will be done by separate contracts. R. Candela, 200 West 72nd St., archt. and engr.

N. Y., New York—APARTMENTS—S. J. Goshen, 1343 Boyton Ave., will build three 6 story, brick and stone, plain foundations, Macombs Rd. and 175th St. $350,000 each. Work will be done by separate contracts under supervision of owner. Engineer and architect not selected.

N. Y., New York—OFFICE—W. A. R. Realty Co., c/o E. Roth, archt., 119 West 40th St., 20 story, 27 x 115 ft., brick, steel and stone, plain foundation, 5 East 57th St., to D. P. Robinson, 125 East 46th St.

Pa., Phila.—BANK and OFFICE—Mastbaum Bros. & Fleishman, 1424 South Penn Sq., will build 6 story and basement, 42 x 145 ft., rein.-con., brick and steel, plain foundation, 1600 Chestnut St., by day labor. $500,000. Hoffman-Henin Co., Finance Bldg., archts.

Pa., Phila.—HOME—H. Castor, archt., St. Girard Bldg., 5 story and basement, 37 x 119 ft., rein.-con. and brick, plain foundation, Benslaem Ave. and Hoffnagle St., to Irwin & Leighton, 126 North 12th St., for Baptist Home of Phila., 16th and Norris Sts. Archts. est. $300,000. Noted Sept. 3.

La., New Orleans—THEATRE—E. Weil, archt., Hibernia Bank Bldg., theatre, Washington and Broad Sts., to C. Gilbert, Balter Bldg., for New Central Enterprises, Saenger Bldg., Tulane Ave.

O., Lakewood (Cleveland P. O.)—SALES, SERVICE and GARAGE—Bailey-Buick Co., C. A. Bailey, pres., 17602 Detroit Ave., 1 story, 48 x 55 x 62 x 220 ft., brick, steel and concrete, Detroit Ave., to H. G. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Archts. est. $150,000.

O., Toledo—HOTEL—Commodore Perry Hotel Co., 17 story and basement, 120 x 247 ft., Jefferson Ave., to H. J. Spieker Co., Nashby Bldg. Archts. est. $2,500,000.

Mich., Eloise—HOSPITAL—Wayne Co., office supt. of Poor, City Serv. Bldg., Detroit, 3 story and basement, 140 x 244 ft., rein.-con., brick and steel, plain foundation, Michigan Ave., here, to Rosewarne, McNabb & Worswick, 333 State St., Detroit. Archts. est. $175,000. Noted Aug. 20.

Ill., Chicago—APARTMENT HOTEL—H. Gimpel, c/o McNally, Quinn & Co., archts., 10 South La Salle St., 8 story, 50 x 150 ft., rein.-con., brick and stone, 5858-60 Kenmore Ave., to H. Janisch, 1813 Minona St. Archts. est. $475,000.

Ill., Chicago—THEATRE, OFFICE and STORE—Asher Bros., 509 South Wabash Ave., general contract 4 story, 128 x 194 ft., rein.-con., brick and steel, 4042-4046 Sheridan Rd., to R. Sollitt & Sons, 5 North La Salle St. Archts. est. $1,000,000. Noted Aug. 20.

Ill., East St. Louis—WAREHOUSE and GARAGE — Standard Oil Co., 400 East Cerro Gordo, Decatur, 1 and 2 story, 84 x 116 ft., and 80 x 200 ft., brick and concrete warehouse, garage and machine shop buildings, 14th St. and McCasland Ave., to Moore Bros. Constr. Co., 925 North 8th St. Noted Jan. 29.

Ill., Evanston — APARTMENT—McDonnell & Blietz, 6505 Sheridan Rd., will build 3 story and basement, 100 x 152 ft., brick, Sheridan Rd. between Keeney Ave. and South Blvd., also 3 story, 191 x 265 ft. apartment, Indian Boundary Park between Greenleaf and Estes Ave., $450,000, by day labor. Owners taking bids on plumbing, heating and electric work for above. J. D. Denson, 720 North Michigan Ave., Chicago, archt.

Ill., Granite City—GARAGE and SALES—Huff Motor Sales Co., 20th and Madison Sts., 2 story, 100 x 100 ft., rein.-con. and brick, to I. W. Scott, 2406 C St.

Neb., Grand Island—BANK—First Natl. Bank, 5 story and basement bank, to A. Moorman & Co., Chamber of Commerce Bldg., St. Paul, Minn., $150,000.

Mo., Kansas City—GARAGE—E. Scott, Los Angeles, Calif., 2 and 3 story and basement, 66 x 138 ft., rein.-con., plain foundation, 920 Locust St., here, to G. F. Green, 429 Pialto Bldg. $150,000. Noted Sept. 17.

Buildings—Commercial (Continued)

Mo., St. Louis — GARAGE — Lambert-Graves Motor Co., Kingshighway and Manchester St., general contract 2 story and basement, 50 x 125 ft., concrete, brick and steel, Swan St. and Kingshighway, to B. J. Charleville Building and Real Estate Co., 114 North 7th St.

Mo., St. Louis—Y. M. C. A., c/o T. Mellow, chn., 3 story and basement, rein.-con., brick and stone building, incl. gymnasium, swimming pool, bowling alleys and auditorium, etc., Loughborough and Vermont Sts., to Woermann Constr. Co., Syndicate Trust Bldg. Archts. est. $150,000.

Mo., Springfield — THEATRE — M. E. Gilliez et al., 1117 Boonville Ave., will build 1 story and basement, 94 x 118 ft., rein.-con., brick and stone, 325 St. Louis St., by day labor. $150,000. United Studios, Inc., 2110 Walnut St., Chicago, Ill., lessee. Noted Sept. 17.

Tex., Falfurrias — BUSINESS — E. C. Lasater, will build 3 story and part basement, 120 x 160 ft., rein.-con., brick and stone, plain foundation, by day labor. $150,000. Private plans.

Okla., Hollis—COURT HOUSE—Harmon Co., general contract 3 story and basement, 86 x 146 ft., rein.-con., brick and stone, to W. L. Scott, Sulphur, $93,985. Noted Aug. 20.

Okla., Ponca City—HOSPITAL—Ponca City Hospital Assn., general contract 3 story hospital, to Holmboe Constr. Co., 424 West 2nd St., Oklahoma City. Noted Sept. 3.

Calif., Los Angeles—THEATRE, STORE and OFFICE — Bard Bros., 100 Pershing Sq. Bldg., 2 story, 96 x 165 ft. theatre, and 44 x 130 ft. store and office building, 5519-33 Hollywood Blvd., to A. Bard, Union Oil Bldg., $200,000. Noted June 25.

Calif., San Diego—APARTMENT—Park Manor, Inc., 712 1st Natl. Bank Bldg., 6 story, brick apartment, to M. Trepte & Son, 1456 J St. Archts. est. $360,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Deerfield—DORMITORY—Deerfield Academy, C. Plunkett, chn. com., having preliminary plans prepared by F. I. Cooper Corp., 172 Tremont St., Boston, 2 story dormitory. $150,000.

Mass., Fall River—SCHOOL—City, C. R. Cummings, chn. com., having sketches made by L. F. Destremps, 40 Borden Blk., Junior High School 2 story, brick, Ward 6. To exceed $150,000.

Mass., Turners Falls—SCHOOL—Town School Com. had plans prepared by Walker, Walker & Kingsbury, 120 Boylston St., Boston, 2 story and basement, brick school. $150,000.

Mass., Walpole—HIGH SCHOOL—Town, F. L. Mansur, school bd., having preliminary plans prepared by R. M. Stowell, 184 Boylston St., Boston, 2 story and basement, brick and steel high school. $300,000.

R. I., Providence — COLLEGE — Providence Roman Catholic College, having preliminary plans prepared by J. W. Donahue, 476 Main St., Springfield, Mass., new college building to supplement Bishop Harkins Hall. $400,000.

Conn., Danielson — HIGH SCHOOL — Town, F. A. Jacobs, chn., having plans prepared by Sellew & Towner, 363 Main St., Middletown, 2 story and basement, brick and steel addition of 2 wings to Killingly High School. $150,000. Noted Sept. 3.

Conn., Stamford—CHURCH and HALL—Zion Evangelical Lutheran Church, c/o G. Zunner, archt., 182 High St., Hartford, having plans prepared 1 story and basement, 50 x 90 ft. church and 2 story and basement, 40 x 60 ft. parish hall, brick and steel, Glenbrook St. $150,000.

N. Y., New York—MUSEUM—New York Historical Society, 170 Central Park West, plans 12 story, brick, stone and steel, plain foundation, Central Park West and 76th St.

Pa., Lawndale (Sta. Phila.) — RELIGIOUS, etc. — Lawndale Methodist Episcopal Church having revised plans prepared by Bureau of Architecture, 1701 Arch St., Phila., 2 story and basement, 83 x 102 ft. religious educational building. Former bids rejected. Noted Aug. 6.

Md., Baltimore — CHURCH — University Baptist Church, W. M. McCormick, chn. building comn., having plans prepared by J. R. Pope, 542 5th Ave., New York City, 1 story and basement, brick, plain foundation, Charles St. and Greenway. $350,000.

La., Gretna — SCHOOLS — Jefferson Co. School Bd., soon takes bids 12 schools, 2 in Ward 1, $216,582; remodeling school Ward 2, $32,366; erecting school Ward 3 $22,848; Ward 4, $37,242, 2 in Bataria and 1 in Ward 9 $89,198, 2 in Ward 7 $16,209, and 2 in Ward 8, $63,915. Noted April 23.

La., Plaquemine—CHURCH—St. John's Catholic Church soon takes bids 1 story and basement, rein.-con., brick and stone church. $300,000. E. Weil & A. Bendernagle, Whitney Bldg., New Orleans, archts.

Tenn., Knoxville — ECONOMICS — Tennessee State University, Miller, Fullenwider & Dowling, archts., 646 North Michigan Ave., Chicago, Ill., also S. F. Forbes, (archts. representative), Box 4163, take bids about Oct. 1, 3 story, 75 x 200 ft., rein.-con., brick and steel Economics building. $225,000. Noted July 23.

O., East Cleveland (Cleveland P. O.)—SCHOOL—Election Nov. 3, $150,000 bonds, 2 story and basement, brick and concrete addition, Caledonia St., for Bd. Educ., C. Tilden, Shaw and Euclid Aves. Engineer and architect not selected.

O., Van Wert — HIGH SCHOOL — Bd. Educ., voted $350,000 bonds, 3 story and basement, brick, steel and concrete high school. $350,000. P. M. Hulsken, Domestic Bldg., Lima, archt.

Ill., Waukegan—GYMNASIUM—Township Bd. Educ. soon takes bids gymnasium building, 48 ft. high, 136 x 187 ft., rein.-con., brick and stone, Jackson and Washington Sts. $275,000. Shattuck & Layer, 19 South La Salle St., Chicago, archts.

Wis., Milwaukee—SCHOOL—St. Elizabeth Congregation, 192 Burleigh St., soon takes bids 2 story and basement, brick, tile and concrete, plain foundation, 1st St. $200,000. Backes & Uthus, 216 West Water St., archts. Noted July 30.

Ia., Dubuque — CHURCH — Grand View Methodist Episcopal Church, soon lets contract, 1½ story, 60 x 100 ft. church, and 2 story and basement, 75 x 100 ft. community house. $150,000. W. C. Jones, 19 South LaSalle St., Chicago, Ill., archt.

Calif., Crockett—HIGH SCHOOL—John Swett Union High School Dist., election Sept. 29, $450,000 bonds, new high school. Noted June 11.

Ont., Fonthill — MAUSOLEUM — Canada Mausoleums, Ltd., Metropolitan Bldg., Toronto, plans concrete, stone and marble, here. $150,000.

Ont., Ridgway—MAUSOLEUM—Canada Mausoleums, Ltd., Metropolitan Bldg., Toronto, plans stone, concrete and marble mausoleum building, here. $150,000. Private plans.

BIDS DESIRED

Vt., Rutland—CHURCH—See "Contracts Awarded."

Mass., Quincy (Ind. br. of Boston) — HIGH SCHOOL—Sept. 25, by City Building Dept., City Hall, 3 story and basement, 82 x 134 ft. and 70 x 170 ft., brick, steel and stone, Hancock St. $500,000. Frank Irving Cooper Corp., 983 Main St., Hartford, Conn., archts.

R. I., Cranston—SCHOOL—Sept. 28, by Mayor's Office, 4 story, 180 x 250 ft., brick and steel, Elsie and Park Aves. $750,000. W. E. Walker & Son, 49 Weybosset St., Providence, archts. Noted Aug. 20.

R. I., Woonsocket — CONVENT — St. Annes' Roman Catholic Church, Providence, taking bids 2 story and basement, brick, Elm St. $150,000. W. F. Fountaine, 285 Main St., archt.

Conn., Middletown — LIBRARY and LABORATORY—Sept. 28, by Wesleyan College, J. H. McConaughty, pres., 3 story, 40 x 165 ft. library, and 2 story, 35 x 125 ft. laboratory, both brick, steel and limestone, plain foundation. $300,000. McKim, Meade & White, 101 Park Ave., New York City, archts. Noted June 25.

N. Y., College Point (Ind. Sta. Flushing) — SCHOOL — Oct. 8, by W. H. Gompert, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, addition to P. S. 27, 14th Ave., here, for Bd. Educ., Park Ave. and 59th St., New York City.

N. Y., Forest Hills (Ind. Sta. Flushing) — SCHOOL — Oct. 8, by W. H. Gompert, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 101, Russell Pl., Slocum Crescent, Standish Rd., and Children's Lane, here, for Bd. Educ., Park Ave. and 59th St., New York City.

Pa., Swissvale—SCHOOL—Oct. 3, by Bd. Educ., and J. M. McCollum, archt., Berger Bldg., Pittsburgh, 2 story and basement, brick and steel school. $150,000.

Ind., Indianapolis — HIGH SCHOOLS — Oct. 2, by Bd. School Comrs., constructing Thomas Jefferson High School, West and 12th Sts., and West Side High School, Washington St. and Sheffield Ave. Vonnegut, Bohn & Mueller, 610 Indiana Trust Bldg., archts. and engrs.

Mich., Detroit—HIGH SCHOOL—Oct. 5, by C. A. Gadd, bus. mgr. Bd. Educ., 3 story and basement, 95 x 125 ft. and 50 x 110 ft. rein.-con., steel and brick, plain foundation, LaSalle Blvd. and Roosevelt Field. Malcolmson & Higginbotham, 1217 Griswold St., archts.

Ill., Aurora—HIGH SCHOOL—Oct. 5, by W. J. Vander Meer, archt., 208 Meads Bldg., Rockford, 3 story and basement, rein.-con., brick and stone, here, for P. J. Muldoon, pastor, 1705 National Ave., Rockford.

Wis., Cudahy—HIGH SCHOOL—Sept. 29, by Bd. Educ., W. Rasche, pres., (1st unit), 2 story and basement, 60 x 60 ft., and 60 x 182 ft., brick and tile, plain foundation. $180,000. Rosman & Wierdsma, 490 Bway., Milwaukee, archts. Noted Sept. 3.

BIDS RECEIVED

Mass., New Bedford—HIGH SCHOOL—City Pub. Building Comn., City Hall, general contract North Junior High School, 2 story and basement, 65 x 258 ft., brick and steel, from L. Boldac & Son, Ashley Blvd., Fall River, $387,890; heating, from M. T. Mitchel Co., 84 West Main St., Fall River, $62,100. Noted Aug. 27.

N. Y., Albany — HIGH SCHOOL — Bd. Contr. & Supply, City Hall, general contract Junior High School, 3 story, Delaware Ave., from J. J. Finn & Son, 176 Sherman St., cut stone $1,079,348, from Feeney & Sheehan, 164 Montgomery St., face brick $1,060,000; electrical work, from F. W. Newman & Son, 76 Hudson Ave., $31,033; heating and ventilating, from E. W. Thompkins Co., 27 Grand St., $137,631; and plumbing, from E. T. Doyle & Son, Inc., 802 Bway., $33,293. Noted Sept. 3.

Pa., Leetsdale — SCHOOL — Bd. Educ., general contract 1 and 2 story, 176 x 176 ft. school, from R. B. McDanel Co., New Brighton, $122,000.

D. C., Wash.—SCHOOLS—Dist. Comrs., Sept. 15, from Skinker & Garrett, 1416 F St., N. W., constructing Brightwood Park School, Ingraham St. between 8th and 9th Sts. N. W., $111,599, Decatur St. School, Decatur St. between 4th and 5th Sts. N. W., $114,969, and Sheridan St. School, Sheridan St. between 4th and 5th Sts. N. W., $115,304. Noted Sept. 10.

CONTRACTS AWARDED

Me., Brunswick — CHURCH — Baptist Church Society, 1 story and basement, brick and stone, to F. W. Cunningham & Sons, 181 State St., Portland. Archts. est. $150,000. Noted July 30.

Vt., Rutland — CHURCH — Woodbury & Stuart, archts., 581 Boylston St., Boston, will build 2 story, brick and stone, here, for Methodist Episcopal Church. $200,000. Work will be done by separate contracts. Noted Aug. 6.

Mass., Fairhaven — CONVENT and CHAPEL — Sacred Heart Parish, S. Bernard, pastor, 3 story and basement, 68 x 102 ft. convent, and 34 x 100 ft. chapel, Main St., to La France Constr. Co., 292 Maple St., Holyoke. Archts. est. to exceed $150,000. Noted Sept. 3.

Mass., Lowell—CHURCH—St. Jean De Arc Church, 2 story, brick and stone, to Z. A. Houle, 53 Central St. Archts. est. $150,000. Noted July 23.

R. I., Pawtucket—HIGH SCHOOL—City, School Com., 3 story and basement, brick and steel, Exchange St., to Cruise Constr. Co., 12 East Ave., $1,025,000. Archts. est. $1,000,000. Noted Sept. 17.

R. I., Portsmouth — CHURCH — St. Anthony's Roman Catholic Church, 1 story and basement, 70 x 100 ft., brick and stone, to Carey Quarry & Constr. Co., 56 North Main St., Fall River, Mass. Archts. est. $150,000.

Conn., Hartford—SCHOOL—North East School Dist., 2 story and basement, brick and steel, Bellevue St., to G. Cudemo & S. N. E. Contg. Co., 68 Temple St. Archts. est. $150,000.

N. J., Scotch Plains — SCHOOL — Bd. Educ., brick, steel and stone, plain foundation, to Lambertson & Reese, South Amboy, $155,470.

Md., Baltimore — SCHOOL — Mayor and City Council, City Hall, 3 story, 101 x 205 ft. school and 1 story 100 x 180 ft. shop additions, Warren and Battery Aves., to C. L. Stockhausen Co., Gay and Water Sts., $633,790. Noted Sept. 17.

Ind., Evansville — SCHOOL — Bd. Educ., general contract Henry Reis Grammar School, 2 story and basement, brick and

Buildings—Educational, Religious (Cont.)

tile, to C. Kanzler Constr. Co., 500 Furniture Bldg., $164,250. Noted July 23.

Ill., Rockford — HIGH SCHOOL — Bd. Educ., Abraham Lincoln Junior High School, 3 story and basement, rein.-con. and brick, plain foundation, to Holmquist & Peterson, Swedish-Amer. Bank Bldg., $634,235. Noted Aug. 27.

Wis., Madison—CHURCH—Calvary Universal Lutheran Church, 713 State St., 2 story, 60 x 150 ft., rein.-con., steel and brick, plain foundation, State St., to J. H. Findorff, 601 West Wilson St.

Wis., Milwaukee—GRADE SCHOOL—School Bd., F. H. Harbach, secy., 3 story and basement, 126 x 130 ft., brick, tile and concrete, plain foundation, 55th and Galena Sts., concrete and excavation, to Dreyer Constr. Co., 1008 6th St., $113,616; masonry, to W. Buchholz Co., 1081 Sherman Blvd., $58,276; carpentry work to H. Jahns, 1915 Chestnut St., $43,180; heating and ventilating, to Downey Heating Co., 256 11th St., $37,974. Grand total $253,046. Noted Sept. 3.

Minn., Luverne—SCHOOL—Bd. Educ., 3 story and basement, rein.-con., brick and stone, general contract, to Riesche & Sanborn, 514 Jackson St., Sioux City, Ia., $144,780. Noted Aug. 20.

Neb., Falls City—HIGH SCHOOL—Bd. Educ., F. Brecht, secy., general contract Senior High School 3 story, rein.-con., brick and stone, to Busboom Bros., Fairbury, $152,568. Noted Aug. 20.

Federal Government Work

BIDS DESIRED

Miss., Vicksburg—Levee—Sept. 30, by Mississippi River Levee Dist., P. O. Box 404, approximately 700,000 cu.yd. levee work.

Ky., Louisville—Wicket Irons, etc.—Oct. 20, by U. S. Engineer Office, P. O. Box 72, wicket irons, horses and props for Navigable Passes, Dams No. 49 and 50, Ohio River; adv. E. N.-R. Sept. 24.

O., Dayton—Railway—Oct. 14, at office Constructing Quartermaster, railway spur on new air field (Wright Field), near here; adv. E. N.-R. Sept. 24.

BIDS RECEIVED

Mass., Boston—Piers—Spec. 5155—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing and rebuilding Piers 6 and 7, at Navy Yard, here, from Blakeslee-Rollins Corp., 6 Beacon St., **(Item 1)** $155,500 **(2a)** $22,000 **(2b)** $25,000 **(2c)** $28,000 **(2d)** $31,000 **(2e)** $34,000 **(2)** $130,000 **(4a)** $18,000 **(4b)** $20,000 **(4c)** $22,000 **(4d)** $24,000 **(4e)** $26,000 **(5a)** $40 **(5b)** $40 **(6)** $15 **(7a)** $25 **(7b)** $20 **(8a)** $60 **(8b)** $50 **(9a)** $25 **(9b)** $35 **(9c)** $2 **(9c)** $0.75 **(9f)** $400. Noted Sept. 3.

Md., Perry Point—Kitchen, Mess Building, etc.—U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., kitchen and mess building at U. S. Veterans Hospital 4, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala. **(1)** $183,700 **(3)** $27,500 (260 days); refrigerating plant, from Frick Co., West Main St., Waynesboro, Pa., **(3)** $18,420; freight elevator, from Otis Elevator Co., 810 18th St., Wash., D. C., **(2)** $2,885. Noted Aug. 20.

CONTRACTS AWARDED

R. I., Providence—Dredging—U. S. Engineer Office, dredging in Connecticut River, to Merritt, Chapman & Scott Corp., 17 Battery Pl., New York City, N. Y. $14,000. Noted Aug. 27.

D. C., Wash.—Coal and Ash Handling Equipment—Spec. 5130—Bureau Yards & Docks, Navy Dept., coal and ash handling equipment for Naval Hospital, here, to Specialty Eng. Co., Allegheny and Trenton Sts., Phila., Pa. $16,860 (150 days). Noted Sept. 3.

W. Va., Huntington — Steel Hull — U. S. Engineer Office, War Dept., Wash., D. C., steel hull for Quarterback and steel fuel barge for Kanawha River, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa. $10,150.

Unclassified

PROPOSED WORK

Subway— Erie, Pa.—New York, Chicago & St. Louis R.R. Co., J. J. Bernet, pres., Columbia Bldg., Cleveland, O., does not plan concrete and steel subway in 19th and Parade Sts., here. $120,000. This corrects report in Sept. 3 issue.

Park Improvements—Hazlehurst, Miss.—Plans election $25,000 bonds, improvements to Lake Hazle Park.

Power Lines—North Carolina—Carolina Power & Light Co., Raleigh, plans extending power lines from Raleigh to Garner, Raleigh to Crabtree Creek, Henderson to Norlina, Norlina to Warrenton, and Warrenton to Littleton. P. A. Tillery, genl. mgr.

Storage Bins — Cleveland, O. — Huron Portland Cement Co., 1325 Ford Bldg., Detroit, Mich., made plans 90 x 125 ft., concrete storage bins. $60,000. Private plans.

Park Improvements — Cleveland, O. — Election Nov. 3, $75,000 bonds driveways, etc. for park. F. A. Pease, Eng. Co., Marshall Bldg. engr.

Stadium, etc.—Cleveland, O.—City, W. R. Hopkins, city mgr., takes bids in spring concrete stadium and open air theatre. $200,000. H. Kregelius, 604 City Hall, archt.

Tipple — Columbus, O. — Columbus Consumers Supply Co., 315 North 4th St., plans tipple and install loading and unloading equipment.

Traffic Signal System — East Cleveland (Cleveland P. O.)—**O.**—Election Nov. 3, $50,000 bonds, electrical traffic signal system for Euclid, Superior and Hayden Aves. .

Flood Control—Brownsville, Tex.—Comrs. Cameron Co., take bids December of January, flood control. $1,500,000 bonds voted. O. C. Dancy, judge. Noted July 23.

Gas System — Blair, Okla. — Making surveys natural gas system and connecting with mains to be constructed from Mangum to Altus. $100,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Swimming Pool—Nevada City, Nev.—See Streets and Roads."

Swimming Pool — Covina, Calif. — See "Buildings—Educational, Religious."

Gas Pipe Line—Waterford, Ont.—Hoover & May, plan supplying town with natural gas. $50,000.

Telephone Line — Pembroke, Ont. — Bell Telephone Co. of Canada, 118 Notre Dame St. W., Montreal, Que., plans 60 mi. telephone line from Pembroke to Mattawa. $50,000. Private plans.

Breakwater, etc. — Vancouver, B. C. — Vancouver Harbor Comns., 525 Seymour St., plan 1½ mi. breakwater, docks, etc. at Hastings Mill. $2,450,000. Engineer not selected.

BIDS DESIRED

Borings—New York, N. Y.—Sept. 29, by Port New York Authority, 11 Bway., water borings in bed of Hudson River within locality bounded approximately by lines from 170th to 185th Sts., Manhattan Boro to points opposite thereto in Ft. Lee Boro, Bergen Co., N. J. J. A. Gregory, chn.; adv. E. N.-R. Sept. 24.

Subway—New York, N. Y.—Sept. 29, by Bd. Transportation, 49 Lafayette St., 2 track underground railroad (Continuation of Queensboro Subway) under East 42nd St. from existing tracks near Vanderbilt Ave. and extending under 42nd St. and Bryant Park through 5th Ave. Station, etc. J. H. Delaney, chn.

Bulkhead—Tarrytown, N. Y.—Sept. 29, by V. W. Cole, village clk., Corporation Rooms, for 1,000 ft. sheet pile bulkhead and 120 ft. open pile bridge; adv. E. N.-R. Sept. 24.

Park—Phila., Pa.—Sept. 30, by Dept. Pub. Wks., improving East League Island Park, incl. running track, etc., in 39th Ward.

Borings, etc. — Pittsburgh, Pa. — See "Bridges."

Electric Car Barn—Raleigh, N. C.—Oct. 6, by A. W. Thompson, ch. engr. Carolina Power & Light Co., 110 x 240 ft. electric car barn. $50,000.

Switching and Control Equipment—Detroit, Mich.—Sept. 28, by J. S. Foley, secy. Pub. Lighting Comn., 174 East Atwater St., electric switching and control equipment, for new power plant switch house, and for switching stations A, B, C and D. Smith, Hinchman & Grylls, 800 Marquette Bldg., engrs.

Transmission Line, etc. — Missouri — See "Contracts Awarded."

BIDS RECEIVED

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., Sept. 18, Sect. 1 of Route 105 along and under Fort Washington Ave., from A. McMullen & Co., Corona, $3,198,100. Noted Sept. 10.

Lighting System—Baton Rouge, La.—City and Chamber of Commerce, sixty 2,500 candle power light standards, from Baton Rouge Electric & Machine Wks., 523 3rd St., $29,589.

Wharves, etc.—New Orleans, La.—Bd. Port Comrs., New Court House Bldg., Sept. 15, alterations to wharves and sheds at Girod and Julia Sts., from R. P. Farnsworth, Canal-Commercial Bldg., $62,000. Noted Sept. 10.

Lighting System — San Diego, Calif. — Common Council, Sept. 14, ornamental lighting system on University Ave. between 4th and 5th Sts., from A. C. Rice, 1957 Santee St., Los Angeles, $29,560.

CONTRACTS AWARDED

Gas Container and Purifier — Hartford, Conn.—Hartford City Gas Light Co., 562 Main St., steel container and gas purifier addition, Potter St., to Stacey Bros. Constr. Co., 5535 Carthage Pike, Elmwood, Cincinnati, O. Engrs. est. $75,000.

Special Work, etc.—Brooklyn, N. Y.—Bd. Transportation, 49 Lafayette St., New York City, special work in construction of Flushing Extension, here, to W. Wharton Jr. & Co., 30 Church St., New York City, $10,073; also installing tracks, etc., in Coney Island Yard, to J. H. Duncan, Inc., Grand Central Terminal, New York City, $7,924. Noted Sept. 17.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., for Route 102, Sect. 6 under 8th Ave. and Central Park West, to F. L. Cranford, 149 Remsen St., Brooklyn, $5,889,649. Noted Sept. 17.

Marginal Pier — Newark, N. J. — City Comn. (2nd unit) marginal dock for ship canal in Port Newark, to H. Steers, Inc., 17 Battery Pl., New York City, $206,936.

Stadium — Gettysburg, Pa. — Gettysburg College, general contract 40 x 300 ft., brick and steel stadium, to A. R. Warner, Waynesboro.

Retaining Wall — Pittsburgh, Pa. — See "Railways."

Traffic Signals, etc. — Shreveport, La. — Comn. Council, 16 traffic signals, to Western Electric Co., c/o Crouse-Hinds, Wolf and 7th Sts., Syracuse, N. Y., $5,604; and underground cable for signals to Southwest General Electric Co., 1801 North Lamar St., Dallas, Tex.

Street Lighting System—Madison, Wis.—W. Winckler, city clk., ornamental street lighting system on West Washington, Atwood and Winnebago Aves., to Kelley Constr. Co., Eau Claire. Engrs. est. $25,000.

Turbine Generator Unit, etc.—Moorhead, Minn.—R. G. Price, city clk., to Westinghouse Electric & Mfg. Co., 425 East Water St., Milwaukee, Wis., steam turbine $19,100, condenser $6,050, and two retort stokers $8,647; and to Fuel Economy Eng. Co., 1019 Guardian Life Bldg., St. Paul, 2 Badenhauser boilers $13,700. Grand total $47,497. Noted Aug. 20.

Transmission Line, etc. — Missouri — Missouri Gas & Electric Serv. Co., Lexington, will build 33,000 v. 3 phase transmission line between Lexington and Richmond, also substation at Henrietta to supply Henrietta Hardin and Norborne, by day labor.

Swimming Pool — St. Louis, Mo. — See "Buildings—Commercial."

Materials

BIDS DESIRED

Gravel, etc.—Greenville, Miss.—Oct. 2, by Highway Comn. Washington Co., 40,000 tons gravel, etc.

Piling — Bastrop, La. — Oct. 5, by Police Jury Morehouse Parish, 1,400 lin.ft. creosoted long leaf piling, and 42,000 ft. white or post oak bridge lumber, delivered at Crossett, Ark. J. L. White, parish engr.

Paving Materials, etc.—St. Paul, Minn.—Sept. 29, by A. E. Eggert, city purch. agt., 1,538 sq.yd. 3 in. vertical fibre brick, 328 bbls. Portland cement, 260 cu.yd. crushed rock or gravel, 170 cu.yd. concrete sand, and 960 sq.ft. tile sidewalk for paving Bradley and Bedford Sts. G. M. Shepard, city engr.

BIDS RECEIVED

Creosoted Piles—New Orleans, La.—Bd. Port Comrs., New Court House Bldg., furnishing 250 creosoted piles **(a)** 75 ft. and **(b)** 85 ft., from Amer. Creosoted Wks. Inc., Southport, **(a)** $44,000 and **(b)** $62,000.

CONTRACTS AWARDED

Paving Blocks—Brooklyn, N. Y.—J. A. Guider, boro pres. Boro Hall, 75,000 Grade 1 granite paving blocks, to Terminal Supply Co., 350 Madison Ave., New York City, $10,340. Noted Aug. 27.

Cement — New York, N. Y. — J. Miller, pres. Manhattan Boro, Municipal Bldg., 20,000 bags cement, to J. A. McCarthy, 551 Exterior St., $13,600; 500 tons asphaltic joint filler, to Warner Quinlan Co., 79 Wall St., $12,241; 1,200 cu.yd. sand grit, to Hygrade Builders Supply Co., 6th St. and 2nd Ave., Brooklyn, $1,908. Grand total $27,749. Noted Sept. 10.